

# ~ SOUTHERN ~ TEXTILE BULLETIN

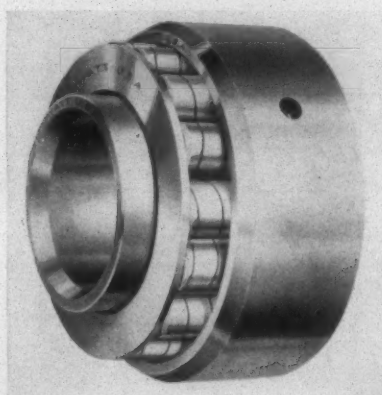
INSTITUTE FOR  
RESEARCH IN  
SOCIAL SCIENCE

VOL. 39

CHARLOTTE, N. C., OCTOBER 16, 1930

No. 7

## The Tendency in Loom Manufacture Is Toward Greater Precision—to Gain Speed and Smoothness of Operation



Hyatt advantages are available in every type of loom, in every kind of preparation and finishing machine. Specify Hyatt Roller Bearings by name on your next order.

At the Southern  
Textile Exposition  
Visit Hyatt Headquar-  
ters, Spaces 81-82-83-  
100 in the Annex.

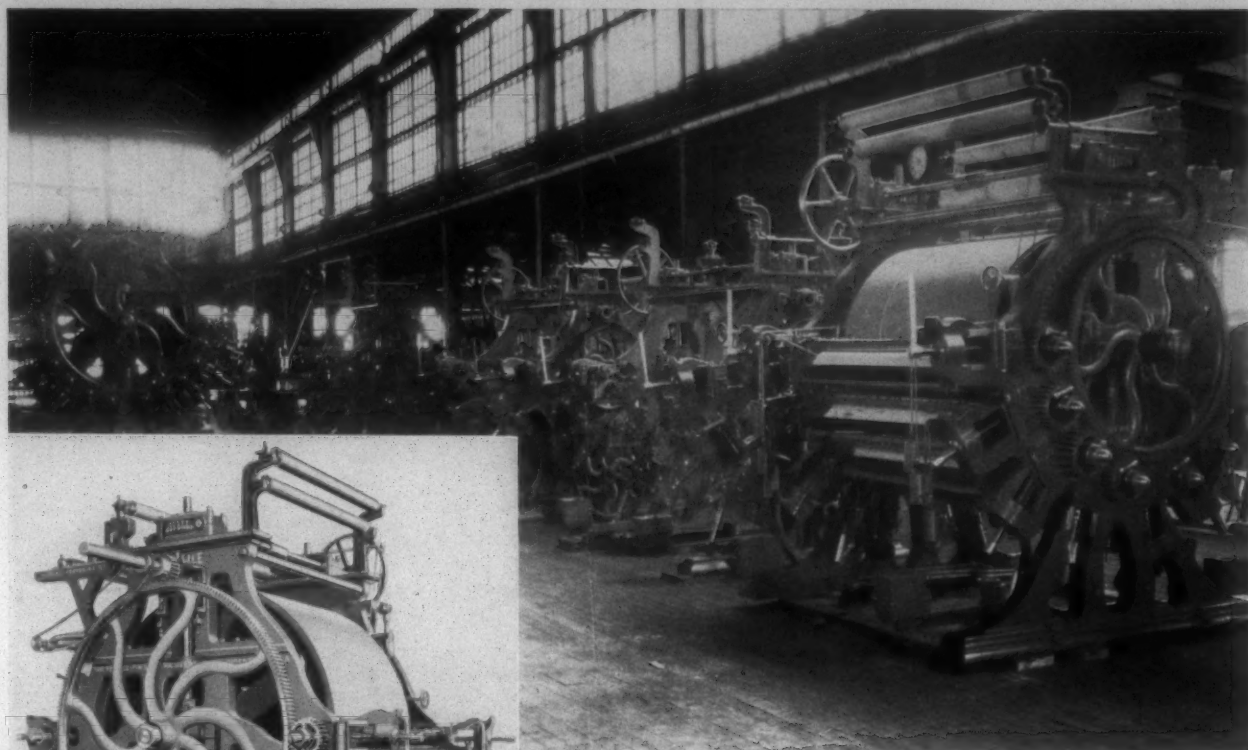
ANY improvement toward greater accuracy must, however, be safeguarded by bearings which keep the various stationary and moving members properly spaced and aligned with respect to each other.

Hyatt Roller Bearings are particularly well suited to loom application because their generous width and special construction reduces bearing wear to a point where it is difficult to measure. They satisfy the conditions of accuracy and long life. They insure greater production and perfectly uniform weave.

The consistent use of Hyatt bearings by leaders of the textile industry is naturally a source of pride to Hyatt. This feeling is heightened by the gratifying knowledge that Hyatt bearings give a full measure of satisfaction, whatever the application or the conditions of service.

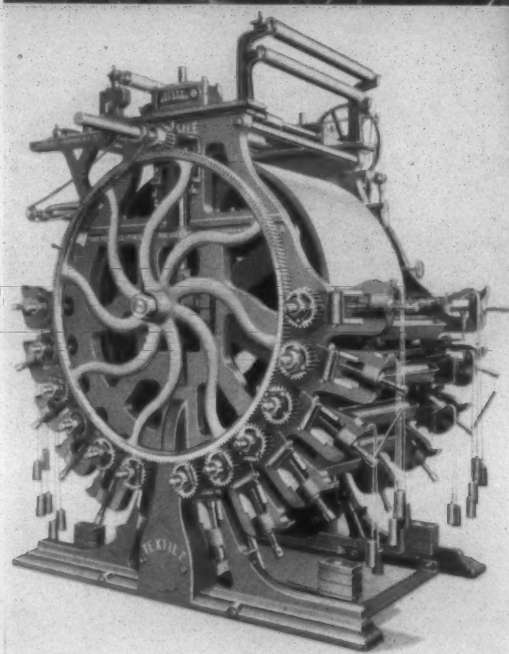
HYATT ROLLER BEARING COMPANY  
Newark    Detroit    Chicago    Pittsburgh    Oakland

**HYATT**  
ROLLER BEARINGS  
PRODUCT OF GENERAL MOTORS



## Does "TEXTILE" Build Printing Machines?

CERTAINLY—to any width and number of colors. The above photograph recently taken in our shop shows Printing Machines being assembled on our Erecting Floor.



12-Color Printing Machine

Printers prefer "Textile" machines because of their operating convenience, the interchangeability of parts, plus the precision with which component parts are manufactured and assembled resulting in accurate registration being maintained at capacity speeds on long runs.

Furthermore "Textile" builds every other machine used in a Print Works including Back Framing, Back Dryers, Hot Air Dryers, Grey Dryers, Winders, Forcing Jacks, Color Kettles, Color Strainers, Copper Dippers, Agers, Steamers, Soapers. All of these machines and more are illustrated in our latest catalog entitled "Printing Machinery." We shall be glad to send you your copy. Write today.

## THE TEXTILE-FINISHING MACHINERY CO.

HARRIS & SIMS AVES., PROVIDENCE, R. I.

New York Office  
50 Church St.

Southern Representative  
H. G. Mayer, Charlotte, N. C.

*Machinery for*

Bleaching, Mercerizing, Dyeing, Drying, Printing and Finishing Textile Fabrics and Warp Yarns

At the Southern Textile Exposition, Greenville, S. C., October 20 to 25 inclusive, visit our Booth No. 114 Main Hall



# typical test

•• SHOWING HOW C & K IS "HELPING  
AN INDUSTRY OUT OF THE RED"

Type of Fabric	FLANNELS	
Type of Loom	Verybest Loom	Non-automatic Woolen Looms
Looms per weaver	4.	2.
Speed	112.	103.
Per cent production	86.5	82.0
Yards per loom per day	44.1	38.5
Yards per weaver's set per day	176.4	76.9
Weaver's operations per loom hour	11.048	35.183
Minutes of work required of weaver per loom hour	5.269	10.656
Filling waste, per cent of total filling	1.99	2.04

## TRANSLATED

**15% MORE CLOTH PER LOOM**

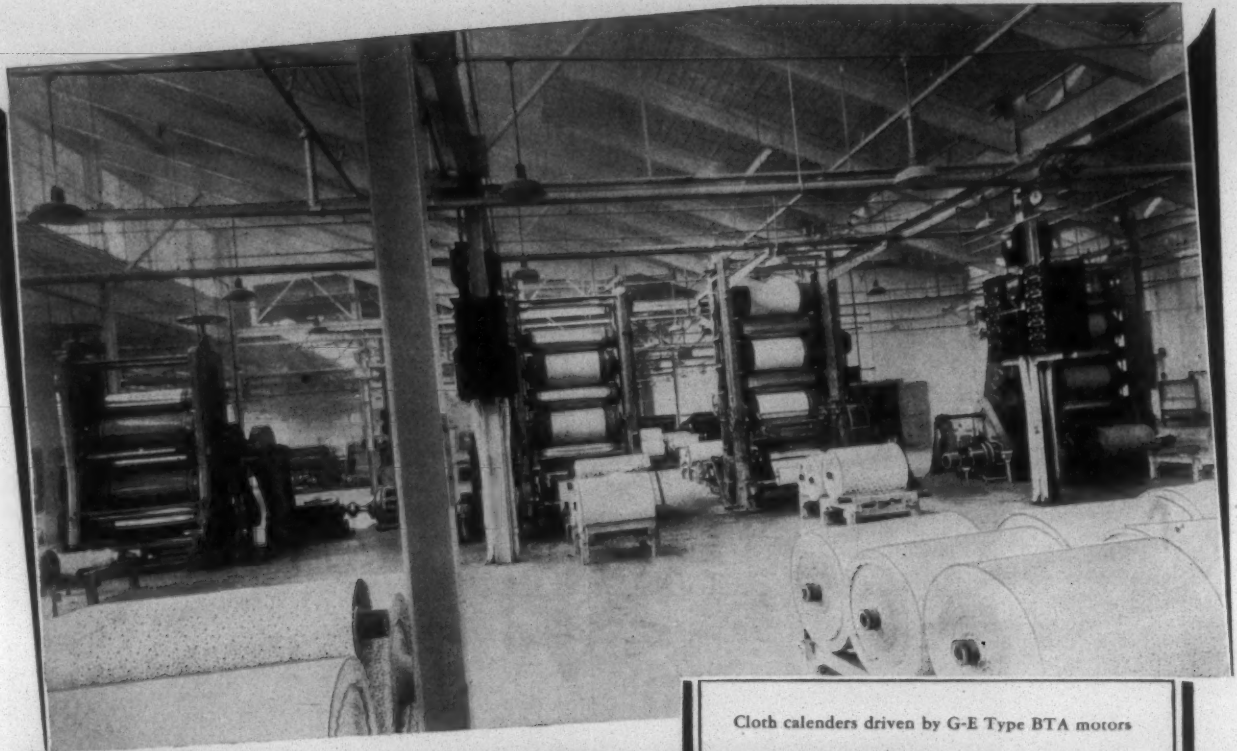
**130% MORE CLOTH PER WEAVER**

**45% SAVING IN WEAVING COST**

As a matter of fact, this particular survey showed a return of 27% on the investment in Verybest Looms. May our research engineers make some comparisons for YOU?

**CROMPTON & KNOWLES**  
WORCESTER, MASSACHUSETTS  
*A Loom* FOR every WOVEN FABRIC

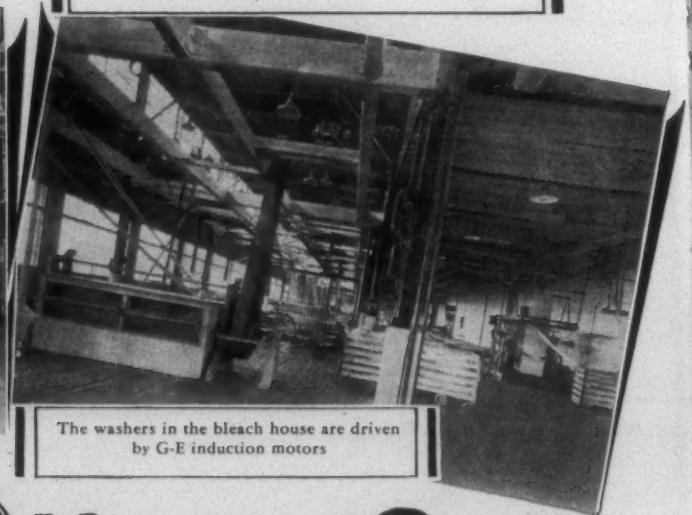
# AT ROCK HILL, S. C.



Cloth calenders driven by G-E Type BTA motors



Three 10-compartment open soapers driven by G-E Type BTA motors



The washers in the bleach house are driven by G-E induction motors



**Motorized Power**  
-fitted to every need

# GENERAL

GENERAL ELECTRIC COMPANY, SCHENECTADY, N. Y.



# A model finishing plant 100% A-c. Motorized by General Electric - -

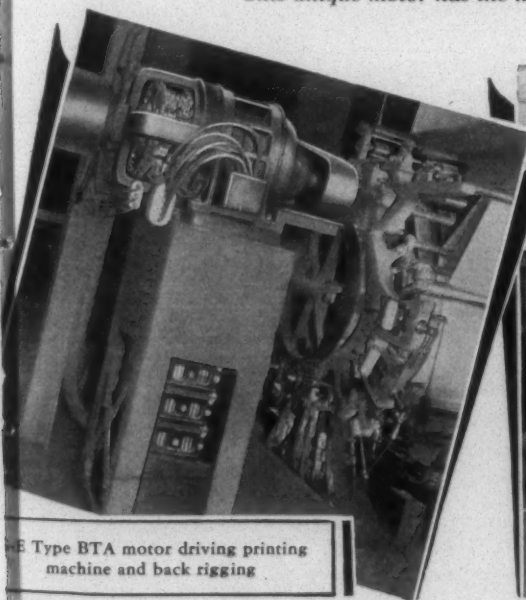
Engineered by Lockwood Greene Engineers, Inc., and motorized by General Electric, the new, modern plant of the Rock Hill Printing and Finishing Company at Rock Hill, S. C., ranks as one of the model plants of its kind in the South.

Where adjustable speed is necessary, this progressive company selected the General Electric Type BTA \*motor—the a-c. motor with these desirable d-c. features: (1) wide speed range, (2) shunt characteristics (relatively small change in speed from no load to full load), (3) high efficiency. The remainder of the drives are G-E induction motors, completing a 100 per cent a-c. installation.

One of the outstanding features of this modern plant is the use of 9 groups of motors, each consisting of from 2 to 3 Type BTA motors operating in tandem ranges. Maximum efficiency and flexibility are always assured.

Here again is a typical example of G-E Motorized Power as applied to the textile industry. The nearest G-E office will be glad to tell you more about this modern, cost-reducing power system.

*\*This unique motor has the highest efficiency obtainable in a-c., adjustable-speed operation*



G-E Type BTA motor driving printing machine and back rigging



G-E Type BTA motor driving back gray washer and dryer

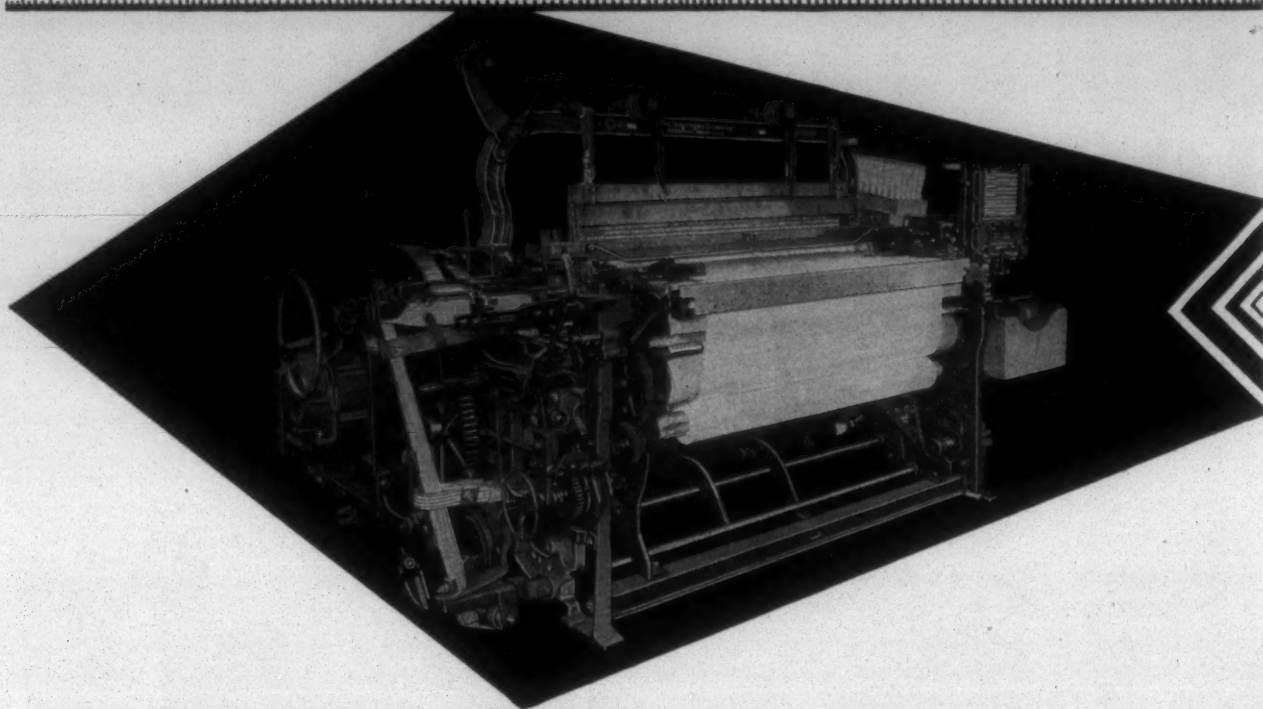
# ELECTRIC

SALES AND ENGINEERING SERVICE IN PRINCIPAL CITIES

200-399

## "QUALITY PRODUCTION ON A QUANTITY BASIS"

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## ANOTHER TEST POINTS TO STAFFORD LOOMS FOR QUALITY

A QUALITY test was recently made in a large Northern mill on Stafford shuttle-changing looms and other automatic looms. The conditions of the test were identical for both sets of looms. Filling breakages on the ordinary looms averaged 14 per loom per day, while filling breakages on Stafford looms averaged but 2 per loom per day.

Performance such as this is characteristic of Stafford shuttle-changing looms. It is to be expected when hand-threaded shuttles are changed automatically with greater accuracy and smoothness than the most skilled weaver can change them. At the same time production up to 96% and 97% is regularly delivered by Stafford looms. If you want quality production on a quantity basis, turn to Stafford. Can we supply more facts or arrange a demonstration?

### THE STAFFORD COMPANY

MANUFACTURERS OF

*Weaving Machinery*

READVILLE, MASSACHUSETTS

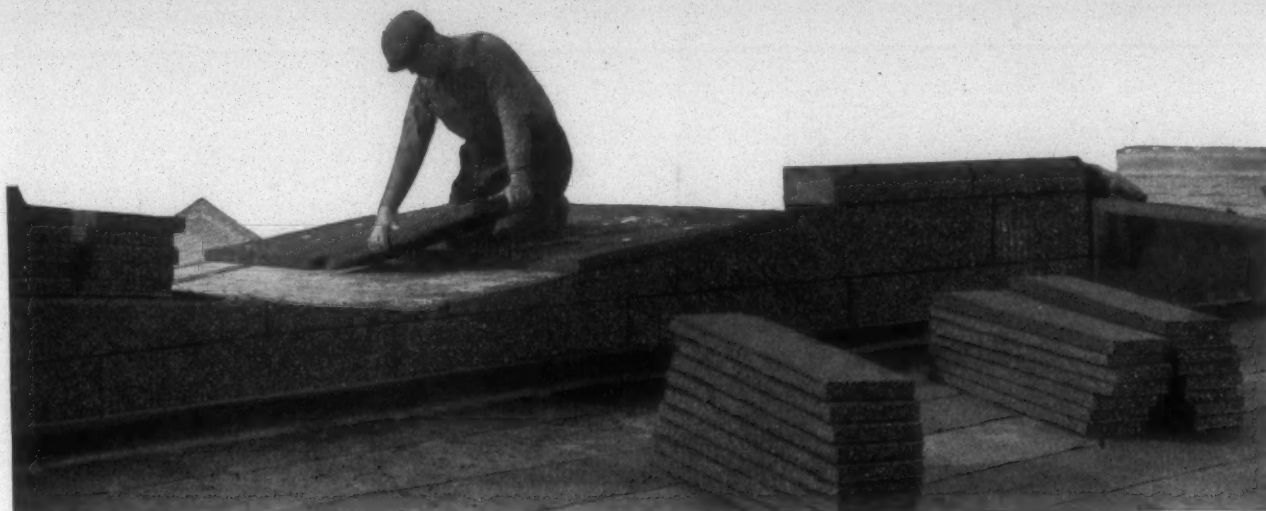
Paterson Office: 179 Ellison St., Paterson, N. J.

Southern Agent: Fred H. White, Charlotte, N. C.



# Mills that can't afford Moisture Damage

*call on Corkboard for adequate, permanent roof insulation*



**C**EILING drip is a profit-pirate in textile mills. When drip spoils yarns and finished product, and damages machines, hundreds of dollars are lost. But many mills refuse to take this loss.

These modern mills protect their roofs (and ceilings) with adequate insulation—Armstrong's Corkboard. They find that corkboard insulation checks condensation. No longer can ceiling drip spot and stain textiles. Nor can it rust machinery.

### *Important steps to economy*

In these textile mills Armstrong's Corkboard Insulation also stops the rotting of roof decks. Since condensation is permanently checked, moisture cannot attack and decay the roof. Here is another economy.

Other advantages merit your attention. There is the saving in fuel dollars, the added comfort inside the plant both summer and winter, and the firm, substantial, and non-buckling base for the roofing.

### *We can help you*

If moisture damage and rotting roof decks are costing you money, we suggest that you consult our engineers. They will gladly recommend the just-right thickness of Armstrong's Corkboard for your mill. This adequate thickness can be secured in a single layer—which means easier, quicker installation and a saving in labor costs.

Write to us for a copy of the illustrated book, "The Insulation of Roofs to Prevent Condensation." There are a great many facts which you should know. We are sure that this book can be of considerable assistance to you. Mailed to you, free of charge. Of course, there is no obligation. Armstrong Cork & Insulation Co., 909 Concord Street, Lancaster, Pa.

*Another mill finds 2" Armstrong's Corkboard adequate for roof insulation! Installed on wood plank deck and covered with 5-ply built-up roofing. Plans and specifications by the mill engineering department.*



Armstrong's



Product

## Armstrong's Corkboard Insulation

*for the roof of every building*

# STRONGER THAN STONE OR STEEL

are the foundations of  
Mathieson's Leadership

By CARL R. MILLER

*No. 5 in a series of advertisements describing the position of The Mathieson Alkali Works in the chemical industry*

**A**MONG leading American chemical manufacturers, none has shown more resourcefulness in meeting industry's changing needs...in predetermining future trends in product improvement...than the Mathieson organization.

It is a well known fact that Mathieson was the first chemical manufacturer to introduce the standard multi-unit tank car, thereby rendering chlorine shipments safer and more economical. Mathieson was a leader in establishing a completely modern plant for manufacturing synthetic ammonia. Purite, fused soda ash, and HTH, high-test hypochlorite, were developed by Mathieson chemists and engineers...modern contributions of a thoroughly modern organization founded on strong foundations of Resources, Research, Service.

Write for a list of available literature describing the development of Mathieson products and their various uses in industry.

**The MATHIESON ALKALI WORKS (Inc.)**

250 PARK AVENUE NEW YORK, N. Y.

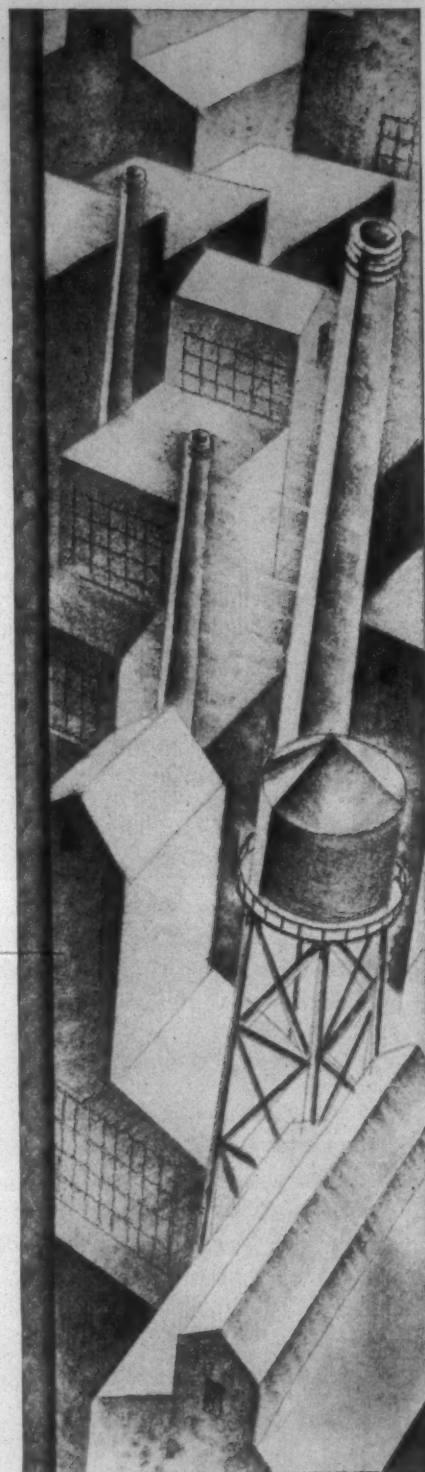
Philadelphia — Chicago — Providence — Charlotte — Cincinnati

Works: Niagara Falls, N. Y. — Saltville, Va.

Warehouse Stocks at all Distributing Centers

## MATHIESON CHEMICALS

Soda Ash... Caustic Soda... Bicarbonate of Soda...  
Liquid Chlorine... HTH (Hypochlorite)... Ammonia,  
Anhydrous and Aqua... Bleaching Powder... Sulphur  
Dichloride... PURITE (Fused Soda Ash)



Great Structures Rest  
on Strong Foundations



Visit Us At Booth 240 Southern Textile Exposition



## *Best for Bale Ties*

Clean rust-proof Signode Steel Strapping, tempered especially to meet baling requirements, tightened and sealed with strong quick easy acting Signode Tools—forms the best bale ties.

Leading Textile Mills are regularly saving money in time, in freight costs, reduction in volume and elimination of damage in pilfering by this modern system.

A word from you will bring complete information.

**SIGNODE STEEL STRAPPING CO.**

2637 N. Western Ave., Chicago, Ill., U. S. A.

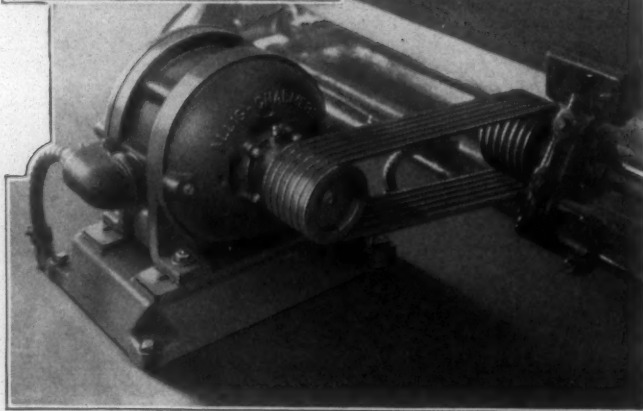
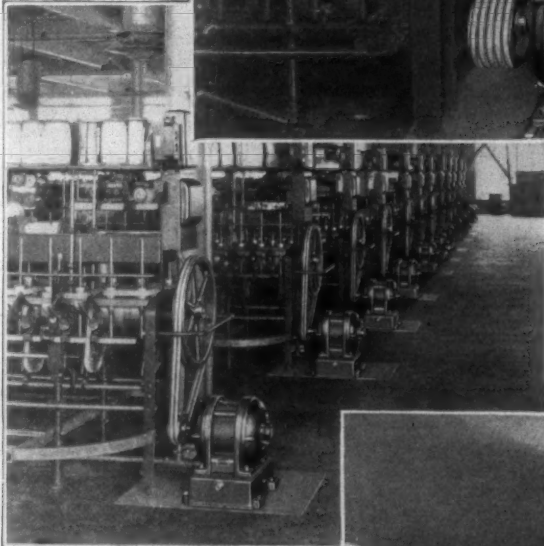
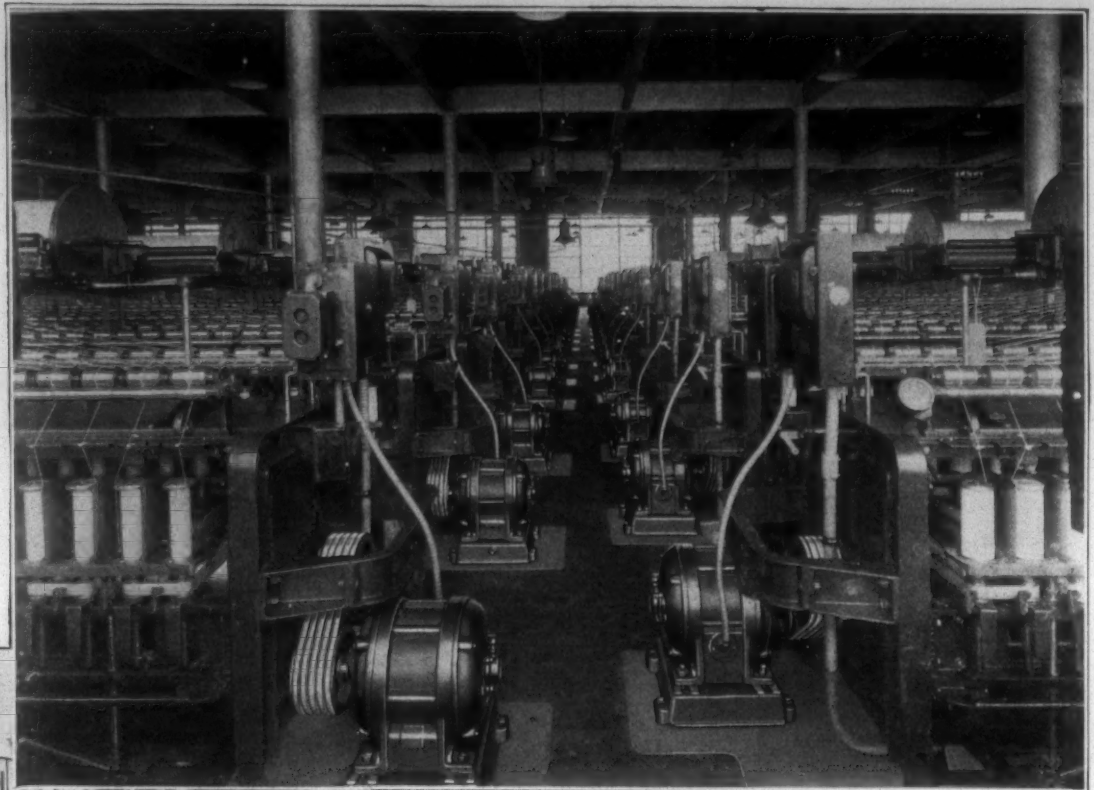
*Offices in Principal Cities*

Canadian Steel Strapping Co., Ltd., Montreal, Quebec

# **SIGNODE**

*The Sealed Tensional Strapping*

Allis-Chalmers  
Motors and  
Texrope Drives  
in a Southern  
Textile Mill



## Sturdy Steel-Frame Allis-Chalmers Motors

Allis-Chalmers has kept abreast with the newest requirements in the application of electric motors to textile machinery.

Windings protected against moisture by special insulating varnishes, bearings sealed against the entrance of dirt or escape of lubricant, frames of electric steel castings, indestructible rotor, insure long life with minimum upkeep.

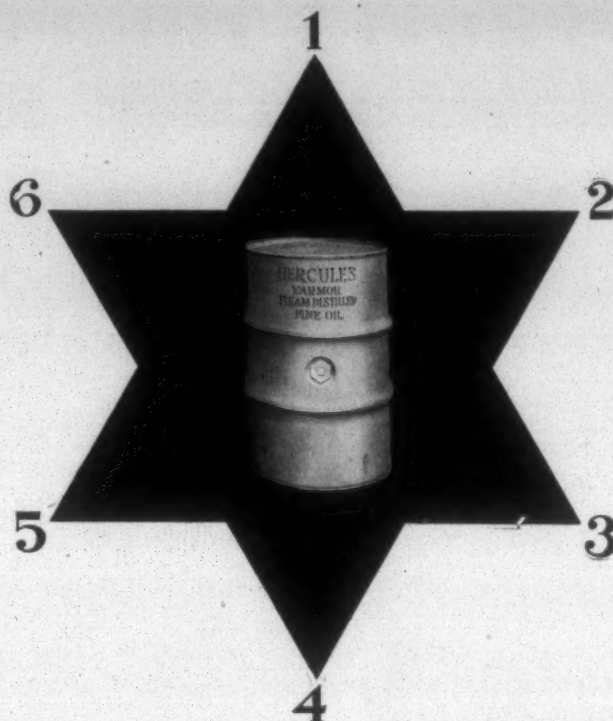
The exclusive combination of Allis-Chalmers motors and texrope drives is unequalled for smooth continuous operation of textile equipment.

— Exhibiting at Southern Textile Exposition — Booths 120 and 121 —

# ALLIS-CHALMERS

— Allis-Chalmers Manufacturing Company, Milwaukee —





## SIX POINTS FOR YARMOR

**H**ERCULES Yarmor Steam-distilled Pine Oil is a valuable aid in producing quality textiles.

1. It is a powerful solvent for gums and waxes.
2. It has excellent emulsifying properties.
3. It is a splendid wetting-out agent and penetrant.
4. It produces a cleaner white and more even bleach.
5. It helps prevent uneven or faulty dyeing.
6. It is a time-saver when used in the kier compound.

Yarmor Pine Oil in soluble form is marketed to the textile industry through textile chemical manufacturers. Orders for textile compounds should specify that Hercules Yarmor Steam-distilled Pine Oil be used in their manufacture.

NAVAL STORES DEPARTMENT

***HERCULES POWDER COMPANY***  
INCORPORATED

979 MARKET STREET, WILMINGTON, DELAWARE

Branch Offices: Birmingham · Chicago  
Salt Lake City

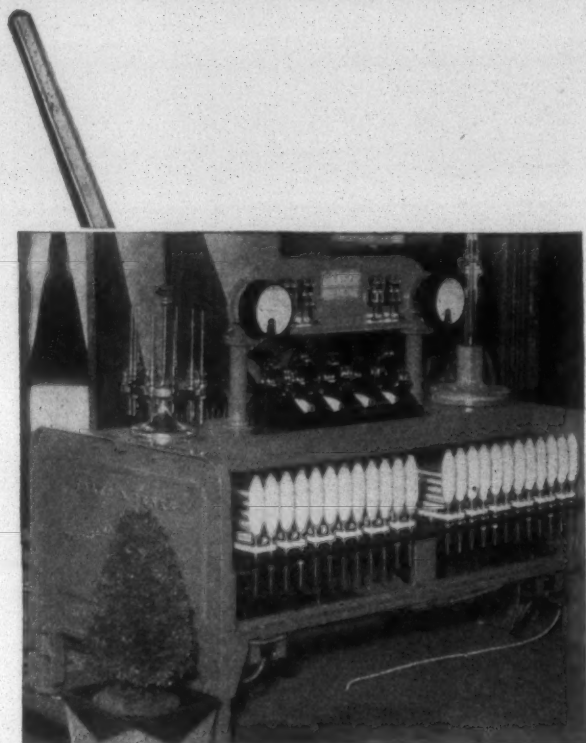


New York · · · · · St. Louis  
San Francisco

NITROCELLULOSE · · STEAM-DISTILLED PINE OIL  
WOOD ROSIN · STEAM-DISTILLED WOOD TURPENTINE

COMMERCIAL ABIETIC ACID · ALPHA TERPINEOL  
PURIFIED COTTON LINTERS · · ETHYL ABIETATE

# HERE IT IS! THE FRAME THAT PROVES THE POWER SAVINGS OF SKF SPINDLES



**W**ALK into the **SKF** Exhibit, Spaces A-113-114-115, at the Southern Textile Exposition, Greenville, S. C., October 20th to 25th, 1930, and see for yourself the power savings possible with **SKF** Roller Bearing Spindles as compared with the plain bearing type.

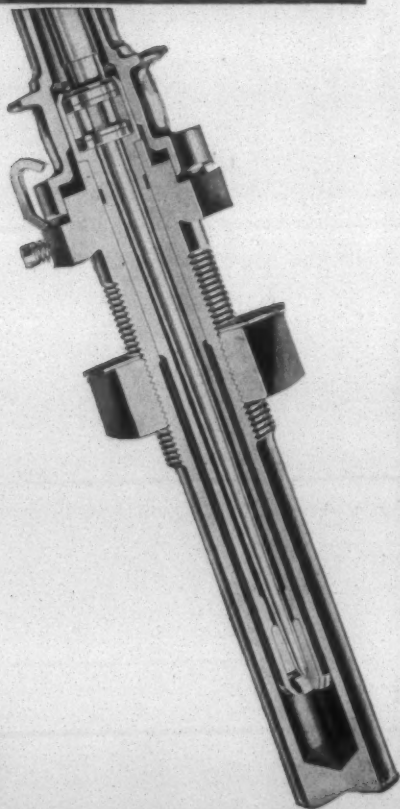
Side by side, on a Fales & Jenks frame, you will see both types of spindles running. Before you there will be indicators showing the actual power consumption of each.

And then, let **SKF** engineers go even further, and outline the many other advantages of **SKF** Roller Bearing Spindles which in many instances even overshadow the power saving feature such as . . . evenner yarn, more uniform twist . . . increased production, less ends down . . . savings in replacements and repairs.

2605

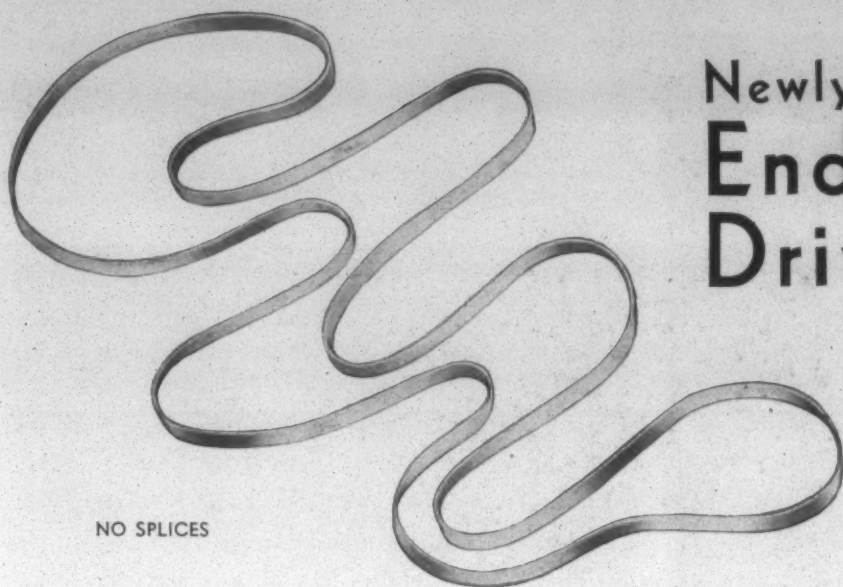
**SKF INDUSTRIES, INC.,**  
40 East 34th Street, New York, N. Y.

*Don't fail to see this Fales  
& Jenks frame with **SKF**  
and plain type spindles  
in the **SKF** Exhibit at  
the Greenville Show*



# SKF ROLLER BEARING SPINDLE BOLSTER





NO SPLICES

## Newly invented F & J Endless Tape Drive » » »

is now standard  
equipment on  
**FALES & JENKS**  
Large Package  
Spinning Frames

**W**HEN you install large package spinning frames, you want all of the latest improvements. Here is one of them (exclusive with Fales & Jenks): the patented Endless Tape Drive. This new arrangement uses endless tapes. As you would imagine, these are put in place in a few seconds. Because the tapes are without splices, there is no "bumpy" thick spot. The result is a more steady and positive drive. This, as you know, is mighty important today when mills are running faster than ever before. Another pleasing result is the fact that the endless tapes wear much longer; you save tape expense and replacement labor cost.

### EASY TWIST REVERSAL

The twist of yarn can be reversed almost instantly on the F & J Large Package.

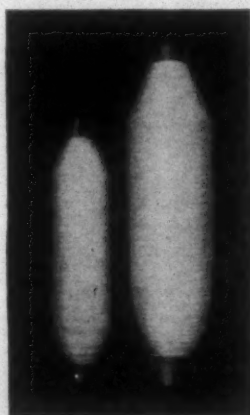
Frames. Simply reverse the motor switch and swing over the jack gear.

### SIMPLER TRAVERSE ADJUSTMENT

Another patented feature of F & J Spinning is the following: All parts affecting the traverse and builder motions are constructed in a unit together with the spindle rail. In less than two hours a complete change of the traverse to suit finer or coarser work can be effected.

### GET THEM ALL

You want large package frames. When you install them, get the greatest possible production improvement by ordering F & J, the frame with outstanding mechanical improvements.



Ordinary bobbin, left, beside  
F & J Large Package Bobbin  
holding twice as much yarn.

Export Office: Pawtucket, R. I.     Southern Offices: Woodside Bldg., Greenville, S. C.

## WOONSOCKET

MACHINE & PRESS CO., INC.

Opening, Picker, Carder, Drawing and Roving Machinery  
WOONSOCKET, R. I.

## FALES & JENKS

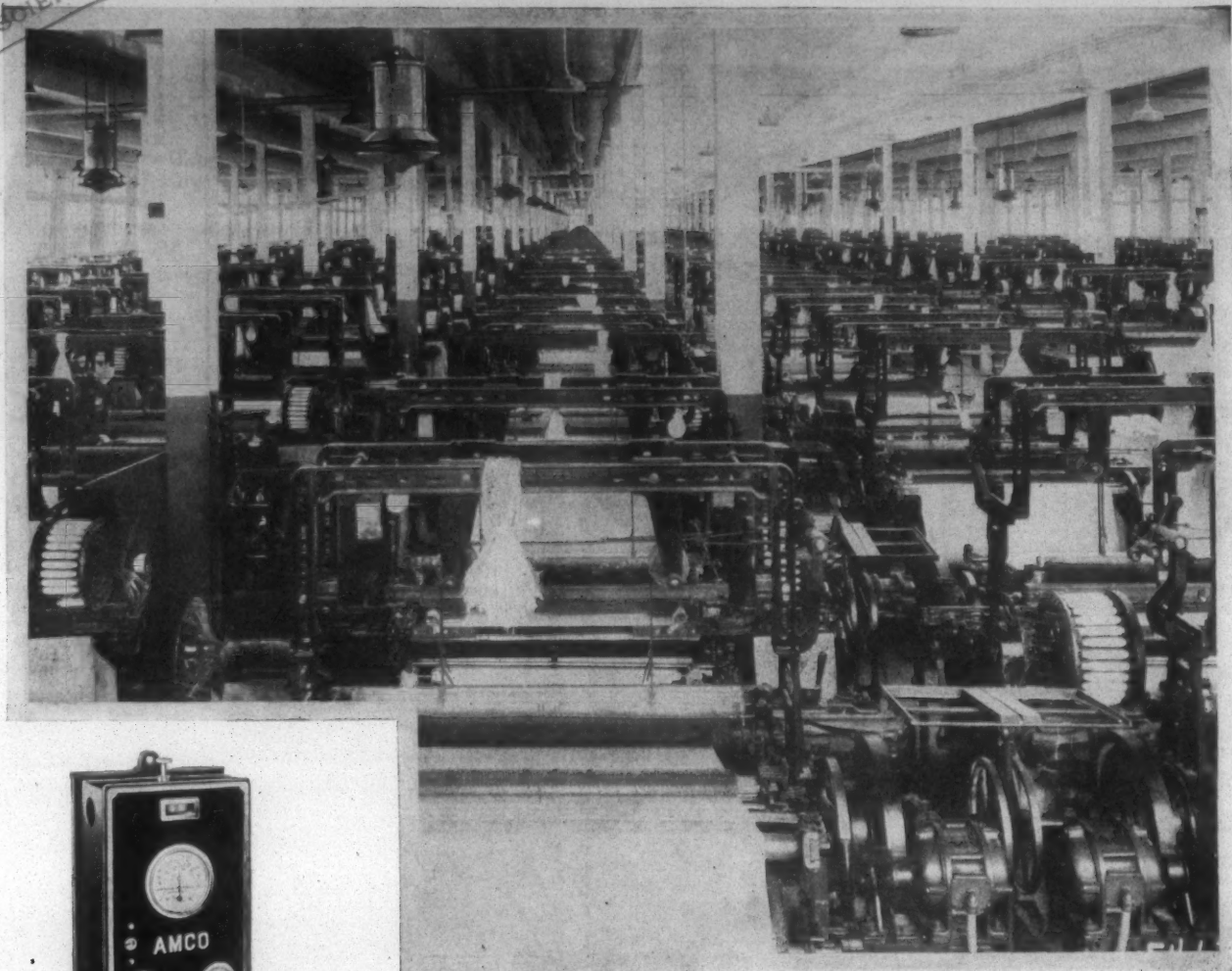
MACHINE COMPANY

Spinning and Twisting Machinery  
PAWTUCKET, R. I.

## EASTON & BURNHAM MACHINE COMPANY

Spooling, Warping and Winding Machinery  
PAWTUCKET, R. I.

{ Cotton Preparatory Machinery from Bale to Loom }



*This newly designed Amco Humidity Control automatically regulates and controls humidity in Textile and other mills without using wet or dry bulb actuated devices.*

EXECUTIVE OFFICES  
213 West Exchange Street,  
Providence, R. I.

CANADIAN AGENTS  
Ross Whitehead & Co., Ltd.  
1111 Beaver Hall Hill  
Montreal, P. Q., Canada

SALES OFFICES  
Boston, Mass. Atlanta, Ga.  
Charlotte, N. C. Greenville, S. C.

## AMCO Humidifiers are standard

AMCO humidifiers installed over looms in the weave shed at Nashawena Mills. Note how they are staggered with respect to each other giving uniform distribution of humidity to all machines.

Like other up-to-date textile mills, the Nashawena Mills of New Bedford, Mass. (J. L. Burton, Agent) are equipped with American Moistening Company's AMCO Humidifiers. The photograph is a view through the Weave Shed.

Nashawena Mills have the largest spindlage of any mill in the United States operating under one roof. Their equipment consists of 6100 looms and more than a quarter of a million spindles.

Our humidification engineers are at your service without charge or obligation to make a written survey of your humidification needs. Get an expert air doctor's advice on humidification requirements in all departments. An air doctor's diagnosis costs you nothing and may result in changing red figures into black figures, with a sweet running plant and better working conditions for labor as a bonus.

## AMERICAN MOISTENING CO.

### Humidifying Devices

*Air Doctors Since 1888*



# SOUTHERN TEXTILE BULLETIN

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VOL. 39

CHARLOTTE, N. C., OCTOBER 16, 1930

No. 7

## Ninth Southern Textile Exposition

**W**ITH the final preparations complete, the Ninth Southern Textile Exposition will be opened in Textile Hall, Greenville, S. C., Monday, October 20th and continue through the week. More than 200 exhibitors have reserved space in the exposition hall and the products on display will include textile machinery, equipment, supplies and accessories of all kinds. Practically every item necessary for the operation of a modern mill will be shown.

Many important developments have been made in textile machinery in the past two years, reflecting marked progress toward more automatic operation and effecting important savings in time and labor necessary for various processes. The machinery on exhibition will include virtually all important developments noted since the last textile show.

In addition to the Exposition proper, the program for Textile Week in Greenville includes a number of conventions that promise to draw a large attendance of mill men.

Southern cotton finishers will hold a convention at 10 o'clock, Tuesday morning October 21, in the ballroom of Poinsett Hotel. Geo. L. Sawyer, secretary of the Association of Finishers of Cotton Fabrics, of 320 Broadway, New York, called the meeting and will arrive there on the day before the convention, with Wm. J. Matthews, another officer of the Association, to arrange details.

This is the third convention which will be held during the week. On Wednesday, the Textile Section of the American Society of Mechanical Engineers will meet. On Friday, the autumn convention of the Southern Textile Association will be opened at 10 o'clock at the Poinsett Hotel.

The decorations and all preliminary arrangements for the exposition have been completed. Watchmen have been on duty in the building for the past week, and all the exposition officials have moved down to the Hall and opened their offices. The following temporary telephone numbers have been announced by the Southern Bell Telephone Company:

2427—Manager; 3007—Secretary; 3012—Bureau of Information; 3052—Reservations Committee; 3406—Walter C. Taylor, secretary Southern Textile Association.

Twenty thousand textile manufacturers, superintendents, overseers, second hands, section men, and other employees are expected to pass through the entrance gate during the week.

The exposition will be opened by an address of welcome by Governor-elect Ibra C. Blackwood on Monday morning, October 20th.

Brief descriptions of the exhibits to be seen at the Exposition include the following:

Officers of the Southern Textile Exposition are as follows:

William G. Sirrine, president and treasurer, who is active manager of the show this year; John A. McPherson, vice-president; Bertha M. Green, secretary; directors, John W. Arrington, Cason J. Callaway, W. W. Carter, Donald Comer, Herman Cone, Robert I. Dalton, J. F. Gallivan, G. E. Geer, B. B. Gossett, Edwin Howard, George H. Lanier, H. A. Ligon, Cartter Lupton, John A. McPherson, J. Norman Pease, L. W. Robert, Jr., J. E. Sirrine, William G. Sirrine and Fred O. Tyler.

**Armstrong Cork Co., Lancaster, Pa.,** will show mechanical equipment and a complete set of samples of cork roll coverings and of corkboard insulation for insulating textile mill roofs. In addition a motion picture taken in textile mills during the past three months will be shown. This film was taken right in the cotton mills and shows cork covered rolls of various kinds in operation.

Following are the representatives who will be in attendance at their booth: W. B. Tucker, G. H. Batchelor, A. M. Dorn, R. C. Trask, T. L. Hill, D. T. Starkey, E. V. Carlquist.

**Armstrong Machine Works** will show a glass model of their trap operating under steam pressure by which means the cycle of operation and the non-air binding and self-cleaning features may be observed.

O. E. Ulrich, factory representative, T. H. Rea, sales manager, and H. P. Ackerman, North Carolina representative, will be in attendance, Booth No. 336.

**Clipper Belt Lacer Co., Grand Rapids, Mich.,** will occupy Booth No. 202, with Perry J. Edwards, factory representative, in charge. Wylie K. Lee, president, or Fred V. Hallam, assistant sales manager, will also probably attend. The complete line consisting of the various models of Clipper lacers, including the new Speed lacers and Clipper belt cutters with safety features and Clipper belt hooks and connecting pins, will be shown. The electrically operated Clipper Ship will also be there, which will add to the interest of those attending the show.

**The Crane Co., Chicago,** exhibit will include valves, fittings and specialties made of bronze, iron and steel for use on steam, water, oil, air and gas in connection with textile mill power plants, process lines, etc.

The representatives of Crane Co. who will be in attendance at their booth, either for a part of or for the entire show, are as follows: Mr. Baxter, Jr., manager exhibit department, Crane Co., Chicago, Ill.; W. F. Lahl, sales engineer, Crane Co., Chicago, Ill.; Mr. Marshall, specialty salesman, Crane Co., Asheville, N. C.; J. A. McMurry, sales engineer, Crane Co., Atlanta, Ga.; H. A. Middleton, sales engineer, Crane Co., Birmingham, Ala.; P. F. Sackett, manager, Crane Co., Greenville, S. C.; L. J. Spencer, manager, Crane Co., Atlanta, Ga.; J. F. Stewart, specialty salesman, Crane Co., Chattanooga, Tenn.; J. H. West, manager, Crane Co., Asheville, N. C.

**The Duriron Co., Inc., Dayton, O.,** will show Duriron acid-proof pipe, fittings, tank outlets, pot eyes, pumps and valves, as well as Durimet acid-proof sheet, bars and cast-

ings; also Duriron circulating jets, as used in chemic make-up tanks.

The booth will be in charge of W. H. Scott, of Dayton, O., and George P. Davis, of Charlotte, N. C.

The Fisher Governor Co., Marshalltown, Iowa, will exhibit in Booth No. 206, several sectional models of the Fisher automatic controlled specialties for handling steam, water and all fluids.

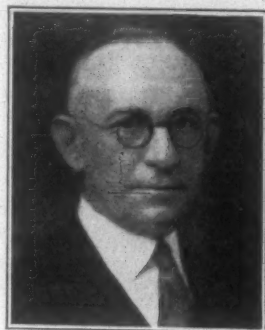
They will have some gas regulators for the interests of those who are involved in the use of gas in their plants.

They will be represented by A. A. Hutchinson and Paul Elfers, both of whom are sales engineers.

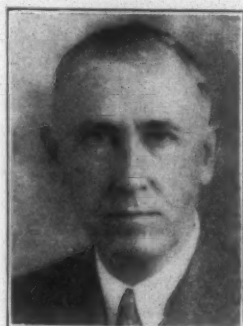
Fibre Specialty Mfg. Co., Div., Kennett Square, Pa., will show roving cans, roving trucks and combination doff trucks, and a general line of textile mill receptacles, featuring the Dreadnaught Truck, which is a three-ply laminated construction with steel inside and out.

Ralph Woods, sales manager, and Roy G. Henderson, Carolinas representative, will be in attendance.

Finnell System, Inc., Elkhart, Ind., will exhibit in Booth No. 110. The display will consist of several different models of the Finnell Electric Floor Scrubber-Polisher suitable for mill and factory operation as well as additional auxiliary units such as the Electric Vacuum Mopper, Mop Truck, etc.



W. G. Sirrine  
Pres.-Treas., Textile Hall  
Corp.



John A. McPherson  
Vice-Pres., Textile Hall  
Corp.



Miss Bertha M. Green  
Secretary, Textile Hall Corp.



Cason J. Callaway  
Director, Textile Hall Corp.

An outstanding feature of the exhibit will be the No. 90 Finnell combination scrubber, absorber and polisher. In this machine are combined both scrubbing and water absorbing facilities as well as waxing and polishing.

The Finnell representatives present will be Jas. W. Faris, vice-president and director of sales, Elkhart, Ind.; A. P. Sears, district manager, Atlanta, Ga.; R. L. Phillips, district manager, Greensboro, N. C.; E. E. Bennett, district manager, Nashville, Tenn.

Fletcher Works, Philadelphia, will exhibit in Booth 120, a line of throwing machinery, including a new Model 30 Double Deck Twister, operating on grenadine, and also a "Duplex" machine throwing hosiery tram. A 40-inch Fletcher "Whirlwind" extractor will also be in operation.

Representatives who will be in attendance at the booth will include R. J. Bartholomew, chief engineer; W. A. Kennedy and F. W. Warrington, Southern representatives.

H. & B. American Machine Co., Pawtucket, R. I., will exhibit one of their new single-beater finisher lappers equipped with the Ramsdell automatic self-doffing calendar; also one of their new Model 1930 spinning frames.

They expect the following representatives will be in attendance: J. Carlile Martin, Southern agent; Fred Dickinson, Southern representative; Thomas Aspden, Southern representative; Arthur J. Drabble, Southern representative; Fred Wright, Southern representative; J. W. Rimmer, Northern sales agent.

Huntington & Guerry, Greenville, S. C., will exhibit in Space A-136, which is in the annex. It will feature good electrical wiring in textile plants of all description. In a part of the exhibit will be shown General Electric refrigerators and water coolers, of which the H. & G. Refrigeration Co., a separate but associated corporation, are the distributors for the State of South Carolina. R. S. Huntington, DuPont Guerry, Jr., J. H. Howard and L. J. Spiers will be representatives in charge.

Hyatt Roller Bearing Co., Harrison, N. J., will exhibit Hyatt roller bearings of various types and sizes suitable for every kind of textile machine. Also a completely Hyatt equipped loom frame with sections of the bearing

housings cut away so that the action of the bearings may be observed while the loom is in operation.

In attendance will be Geo. H. Woolley, Jr., textile applications specialist, Southern district; F. U. Naughton, Jr., textile applications specialist, Northern district; W. L. Iliff, sales manager, Eastern division.

The Lunkenheimer Co. will have on display a complete line of valves, boiler mountings, oil cups, grease cups, lubricating devices and other engineering specialties in bronze, iron and steel, suitable for all prevailing pressures and temperatures.

Sectioned samples will be on display, enabling visitors to observe the outstanding construction features of Lunkenheimer products.

The exhibit will be in charge of field representatives, W. Kenneth Bishop and E. Leonard Hertenstein.

Morse Chain Co., Ithaca, N. Y., will demonstrate the flexibility, quietness, and practical workability in a very novel manner. Through the medium of a Neon lamp synchronized with the pitch travel of the chain, a stroboscope effect will enable observers to watch the true rocker action of the Morse rocker joint. This drive is mounted in a highly polished mahogany finish wood cabinet, and has a plate glass front to permit ready observation. In addition, a chain drive set up to demonstrate the high effi-

ciency of the disc oiler, the chain speed reducer, with cover removed, and the chain flexible coupling will be shown.

The Morse booth will be in charge of Harry E. Matthews, manager of the Charlotte branch office. A. B. Gray, general sales manager, and others of the Morse personnel also will be on hand to discuss mechanical details with those interested.

W. T. Lane & Bros., Poughkeepsie, N. Y., will show their line of canvas baskets, trucks and shipping hampers.

The exhibit will be in charge of N. I. Mekeel.

Oakite Products, Inc., in Booths Nos. A-47 and 48, will show samples that have been processed with Oakite in boil-out, bleach, degumming, dye bath, fulling and soaping operations. Rayon, combinations of rayon and silk, silk, cotton and wool products will be exhibited.

Oakite field representatives, L. W. McCann, E. Moline, H. J. Canny, R. H. Bailey, W. A. McBride, W. L. Gruner, M. E. Patterson and L. H. Gill, will be in attendance to answer inquiries. D. A. Hearn, of the New York office, will also attend.

Steel Heddle Mfg. Co., Philadelphia and Greenville, S. C., will occupy Booth 123.

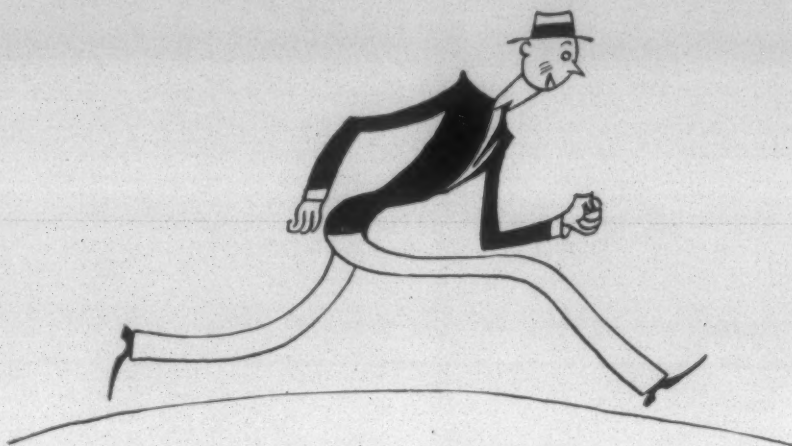
Particular care is being given to planning an intensely interesting and educational exhibit showing the flat steel heddles, frames, reeds, drop wires, etc.

The booth will be in charge of Mr. Littlejohn, Southern manager, and his Southern staff, well known harness experts, and visitors in addition to making it their headquarters are invited to bring their harness problems along for technical assistance. J. J. Kaufman, president, and R. J. Freitag, treasurer, will visit the Exhibition.

The S K F Industries, Inc., exhibit, Spaces 113-114-115, will feature a display of equipment of great interest to every mill executive, superintendent and foreman. There will be a model spinning frame on which will be mounted both plain bearing spindles and S K F roller bearing spindles with indicators showing the power consumed by each type. In connection with this frame, a blade bending device will be shown, demonstrating the advantages of the

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## WE TOOK A LONG STEP —PURPOSELY

WE sell rayon yarns and we sell only to mills, yet we advertise finished garments. Knitters and weavers are our customers, but we feature the names of cutters... picture their merchandise... in well over half of our advertising pages.

Some people have failed to see the reasoning behind this policy. "Why go so far from home... why not feature the mills that use your stuff?" they have asked.

We take a long step... over the mill, the converter and the selling agent... because we think it is the most economical way of getting business for everyone including our weavers and knitters. This is the way we figure:—

*Through papers read by retailers,* we tell the great stores of the country that a leading cutter is making smart garments of a fine Du Pont Rayon fabric.

*Wide-awake cutters mail reprints of their pages...* keep proofs in their show-

rooms... long after the published advertisements have been read and discarded.

*It brings immediate sales* in practically every case. Certain large cutters have admitted that our "third person sponsorship" brings direct results to a greater degree than their own advertising.

*The converter or selling agent* servicing that cutter gets repeat orders. Two fabrics featured in Du Pont Rayon advertising have been sold out. Deliveries have had to wait two and three weeks. That's pretty good in a year like this when textiles are talking sob stuff!

*When converters sell futures,* mills automatically get more yardage.

*When mills get more yardage,* Du Pont sells more rayon yarns.

If we stopped short of the cutter, we should stop short of doing a complete job. After all, someone must put a piece of cloth on his back, before a sale of Du Pont yarns has actually been completed!



REG. U.S. PAT. OFF.

DU PONT RAYON COMPANY...2 PARK AVENUE...NEW YORK CITY

# Exhibits at Textile Exposition

(Continued from Page 16)

hardened spindle blade as employed in the S K F roller bearing spindle.

During the show, headquarters will be maintained at the Poinsett Hotel, Greenville, S. C.

Those in attendance at the S K F Industries, Inc., exhibit will be R. H. DeMott, H. A. Fonda, N. Miller, R. W. Franklin, K. W. Meklenburg and G. F. Langevin.

Graton & Knight Co., Worcester, Mass., will show an extensive line of the new Graton & Knight "Tension Cemented" leather belting, as well as rubber belting and link "V" belting.

A complete line of textile specialties will also be shown such as leather loop pickers, staff and doll pickers, leather lug straps, check straps and harness straps. The new revolutionary Graton & Knight 50 leather picker, and the new adjustable harness strap will also be shown.

A complete line of woven textile lug straps will be included in the exhibition also.

Miscellaneous leather products will include round leather belting, leather packings, cements and dressings.

Those in attendance will be H. W. Tuxbury, sales manager specialties division; C. C. Anderson, Greenville branch manager; O. D. Landis, Charlotte branch manager; D. A. Ahlstrand, Atlanta branch manager; J. C. Ruf, Boston Branch, manager; E. G. Monigle, assistant advertising manager.



J. Norman Pease  
Director, Textile Hall Corp.



W. W. Carter  
Director, Textile Hall Corp.



J. F. Gallivan  
Director, Textile Hall Corp.

Penick & Ford Sales Co., Inc., with factory located at Cedar Rapids, Iowa, and offices at Cedar Rapids, Iowa, and New York City, will have a display in charge of G. L. Morrison, Spartanburg, S. C., Southeastern representative. Other representatives attending will be C. T. Lassiter, Charlotte, N. C.; J. H. Almand, Atlanta, Ga.; D. P. O'Connor, from the New York office, and H. A. Horan, from the Cedar Rapids office.

The display will consist of corn and all products made therefrom at their Cedar Rapids, Iowa, factory, including standard, special and thin boiling starches, gums, corn syrup, corn sugar, corn oil and corn gluten feed and meal. In addition they will have a display of textile products finished with their products.

Reeves Pulley Co., Columbus, Ind., will exhibit the Reeves variable speed transmission, of standard designs; also special designs of transmissions, equipped with the new type remote electrical control and also automatic electric control.

C. L. Erwin, who has had a very broad experience in the application of Reeves variable speed transmissions to all kinds of textile mill equipment, will be in attendance during the convention.

The Bristol Co., Waterbury, Conn., will show recording psychrometers for making permanent records of relative humidity and recording pressure gauges, Bristol's recording thermometer controllers of the two pen type in the Bristol's large three compartment cases, having the relays all internally mounted and the instrument self contained in every respect.

They will exhibit Bristol's B. K. motor valve, Bristol's lever type counters, Bristol's recording thermometers, Bristol's double service type air operated controllers, mercurial industrial stem thermometers, Bristol's recording

air operated controller as well as air operated diaphragm valves.

They will have Bristol's strip chart wattmeters, portable voltmeters, portable recording refrigerator thermometers and other equipment, located in booths where manufacturers require them.

In the Bristol Co. booth there will also be a large display of Bristol set screws and Bristol's belt lacings which include set screws and wrenches.

Whitinsville Spinning Ring Co., Whitinsville, Mass., will exhibit the largest ring in the world as well as the smallest and every type and description of ring in between, including the new type of ring developed for rayon twisting. A full line of steel plate, cast iron and brass holders, as well as guide wire sets and traveler cups will also be shown.

Wm. P. Dutemple and the Southern agent, Webb Durham, will be in attendance.

The United States Electrical Tool Co., Cincinnati, O., will display drills, grinders and buffers of the latest type, and M. A. Gordy will be in attendance.

W. O. & M. W. Talcott, Inc., Providence, R. I., will show a full line of the Talcott safety belt fasteners for use in textile mills, and sample fastenings and copies of the certificate of approval for the use of these fasteners on belts in textile mills.

Samples of Acme patch fasteners for torn and weak places in a belt.

Photographs showing the comparative strength of various types of fasteners and pocket calendars for distribution.

Westinghouse Electric & Mfg. Co. will feature a display board showing samples of cotton goods and products used by that company; and, among these, will be tape, cord, and Micarta and other insulating materials.

The new Westinghouse loom motor also will be exhibited. This is a welded frame motor designed for loom application. Another product displayed will be the new loom motor control switch, an overload trip switch especially adaptable to textile mill use.

The exhibit will include also the following: the new sealed-sleeve bearing spinning motor, a standard spinning frame motor with leak-proof and dust-proof bearings; De-ion linestarters and switches; nofuz panelboards; lighting equipment; safety switches; and an interesting device whereby the movement of a human hand controls the operation of a miniature airplane.

Barber-Colman Co., Rockford, Ill., expect to exhibit an 80-spindle automatic spooler and high speed warper, both of which will be kept in continuous operation during the period of the exhibition. They will operate the spooler at their standard speed of 1200 Y. P. M. and the warper at 500 Y. P. M.

The exhibit will be in charge of J. H. Spencer, manager of the Greenville, S. C., branch. He will be assisted by N. H. Alford, assistant manager, and S. R. McElroy, department superintendent. Other executives of the company who will be in attendance are: W. B. Anderson, manager of Barber-Colman Company of Massachusetts; J. E. Moore, sales engineer from the Massachusetts branch; B. A. Peterson, textile engineer; R. E. McCaus-

(Continued on Page 20)



# Are You Getting Your Share of the Lion's Share ▲▲▲?

About 50 converters enjoy the lion's share of the market for yarn dyed cotton and rayon woven fabrics.

**FRANKLIN Process** Colors are nationally advertised to the retail, wholesale, cutting and converting trades. They are the only colors used in yarn dyed fabrics which are so advertised. In advertising Franklin Process Colors we have set for ourselves a high standard of quality and service. We know that we must closely approach this standard if our advertising (and therefore our business) is to be permanently successful.

These facts are recognized by many converters. That is why they specify or gladly accept Franklin Process Colors when sending inquiries or placing orders. They want Franklin Process Colors because these colors represent known quality and known responsibility.

It will, we believe, best pay users of colored yarns in the long run to keep the confidence of their customers by giving them what they want. Substitutes may or may not be "just as good." It really doesn't matter, because when all is said and done, they are substitutes. They are not what the customers specified.

The thing that does matter in the long run is a reputation for integrity and for knowing and supplying the demands of the trade.

**T**HESE converters specify **FRANKLIN PROCESS** colors in their orders and do business with mills that have expressed a willingness to run Franklin Process Colors when specified.

Are you one of these mills?

Are you getting your share of the lion's share?

If you already run colored cotton yarns and are not already among the mills described above, let us acquaint you with an extremely simple plan whereby you can become one of a favored group.

Just use the coupon to ask for information. Your request will not obligate you.



## FRANKLIN PROCESS

COMMISSION YARN DYERS

Main Office and Plant: FRANKLIN PROCESS CO., PROVIDENCE, R. I.

New York Office: 40 WORTH STREET

Branch Plants at PHILADELPHIA . GREENVILLE, SOUTH CAROLINA  
CHATTANOOGA, TENNESSEE

FRANKLIN PROCESS CO., PROVIDENCE, R. I.

☐ We are already running colored yarns.

☐ Please tell us how to get our share of the lion's share of the market for yarn dyed cotton and rayon woven fabrics. Also send your booklet "Franklin Process—Its Service to Brokers and Creators of Textile Fabrics."

Name..... Title.....

Company.....

Address.....

Adv. 377

**Fast Color Identity is Now the Master Salesman**

# Exhibits at Textile Exposition

(Continued from Page 18)

land, field manager, and R. G. Ross, field superintendent, from the factory at Rockford, Ill.

The National Nickel Co., Inc., will show samples of the various mill forms of Monel metal and pure nickel, together with finished Monel metal and nickel equipment as encountered in the wet processes, dyeing and bleaching. They will also include finished Monel metal and nickel equipment in the hosiery knitting plants.

F. L. La Que, of the development and research department of The International Nickel Co., Inc., as well as C. J. Bianowics, a sales representative, together with L. M. Heard, of the J. M. Tull Rubber and Supply Company, Atlanta, Ga., will man the exhibit.

Corn Products Sales Co., Greenville, S. C., will occupy Spaces A-84, 85, 86 and 110 in the permanent annex. They will have on display samples of the products used by the textile industry. The exhibit will be in charge of John R. White, manager, and there will also be in attendance Dr. W. R. Cathcart, their technical director from the New York office, also Albert G. Smith, J. C. Alexander, C. G. Stover and W. R. Joyner, of the Greenville office.

Eberhard Faber Pencil Co., Brooklyn, N. Y., will exhibit pencils and crayons that can be used on textiles.

Two of their representatives will attend: T. C. Riley, who is district manager, and Wendell White, one of their salesmen.

The Torsion Balance Co., New York, will exhibit a number of balances and weights used in the manufacturing and testing of the various textile products comprising cotton and woolen cloth, testing balances as well as calculating scales giving yarn numbers for cotton, woolen and rayon in direct readings. Analytical balances for the research and control laboratories will also be included as well as dye and roving scales.

Representative will be J. W. Wetz.

Johns-Manville Corp., New York, will show a brilliantly lighted and attractively arranged display of their insulations, packings, roofings and floorings that will be of particular interest to the people in attendance at this convention. Johns-Manville will show in this display the completeness of their insulation service with the proper insulation for every temperature range from sub-zero conditions to the highest of industrial temperatures by means of a brilliantly lighted and flashing electric chart. Industrial floorings and special roofings designed for the textile industry will also be shown in actual samples.

Swan-Finch Oil Corp., New York, manufacturers of lubricating specialties since 1853, will have an attractive display in conjunction with their Southern distributors: Odell Mill Supply Co., Greensboro, N. C.; Greenville Textile Supply Co., Greenville, S. C., and Atlanta Textile Supply Company, Atlanta, Ga.

The display will include "Slo Flo" in the various densities, and various grades and densities of twister ring greases. "Slo Flo" is the original semi-fluid lubricant for textile mills. The Swan-Finch Oil Corp. operates factories at Newark, N. J.; Buffalo, N. Y.; Chicago, Ill.; Manchester, England; and refineries at Warren, Pa. They are producers of lubricating specialties for every type of machine bearing; fibre treating oils; metal cutting, and treating oils; foundry oils; and to meet all other operating conditions.

J. W. Closterman, division manager of Swan-Finch Oil Corp., with the managers, and salesmen of the distributors will be in attendance at the booth.

The Roessler & Hasslacher Chemical Co. will display peroxide bleached samples of the various textiles processed with their peroxide. Arrangements will be made to bring to the mill man's attention the advantages of cotton bleaching as carried out by the "R. & H." kier process. Every effort will be made to give the cotton bleachers complete information and data regarding the possibilities of applying peroxide either as peroxide of hydrogen or peroxide of sodium to their material from a practical mill standpoint.

Representatives of the selling and technical forces will be present at their booth, among whom will be: LeRoy Kennette, Southern sales representative; Charles D. Potter, bleaching specialist; John C. Roberson, bleaching specialist, and Loring P. Litchfield, chemist.

The Signode Steel Strapping Co., Chicago, will occupy Booth No. 240. This firm will exhibit its Signode bale ties and the equipment with which the bales are tied and sealed. There are some features of this system that should be of particular interest to those responsible for the handling and shipping of textiles.

Those who will represent the Signode Steel Strapping Co. at this exhibit are: O. B. Shelton, W. F. Shelton, local representatives, and E. C. Pagel, district sales manager.

They particularly invite attention to Rule 5, Section C, Paragraph 4 of the Consolidated Freight Classification permitting textile manufacturers to ship their commodities in cartons without the necessity of conforming to the requirements of Rule 41.

Atlanta Brush Co. will exhibit a general line of industrial brushes, including especially all brushes used in the textile mills, a large percentage of which are their own design. Their repair department will be featured also.

The booth will be in charge of the field representative, George B. Snow, assisted by Howard R. Cook, vice-president, and J. F. Wilson, plant superintendent.

Howard Bros. Mfg. Co., Worcester, Mass., will show in operation machinery making their products, display boards for hand cards, heddles and card clothing.

In charge of the booth will be Herbert Hidgley, president and general manager; Harry C. Coley, secretary and treasurer; and representatives will be E. M. Terryberry, general sales agent, and Guy L. Melchor, Southern agent.

The Permutit Co., New York, manufacturers of water treating equipment and power plant accessories, will occupy Booths Nos. 14 and 15. This company will have a number of interesting displays illustrating some of the latest developments in water treatment. A new model of a small size water softener with attached saturator will be shown and there will be set up and operating a typical electro-chemical feed together with diagrams as to how such devices are employed in water treatment.

Other models of chemical feeds both of the constant and intermittent type, together with float tank and control mechanism, will be exhibited.

A Ranarex CO<sub>2</sub> indicator and recorder will be in operation, so that those interested in this mechanical method of CO<sub>2</sub> measurement may learn its advantages. The Exposition will be attended by R. V. Irwin and H. H. Morrison.

The Belger Company, Newton, Mass., at Booth 207, will exhibit a ring spinning frame in operation equipped with their "Elastix" rolls for long draft.

Furthermore, they will show their automatic roving tester and sliver tester also in operation.

Foxboro Company, Foxboro, Mass., are to exhibit many new and advanced instruments for the textile industries. A leader among these, is their new automatic dye tub controller. This controller fits the modern trend in piece dyeing. It takes the pre-heated dye water being delivered to the machines, raises it to the exact temperature needed and holds it at this temperature for a definite time predetermined by the dyer. When the time is up the controller shuts off the steam and turns on a signal light.

Their exhibit is also featuring their usual line of instruments for controlling, recording and indicating humidity, temperature, pressure and flow.

Their exhibit will be in charge of W. W. Barron, newly appointed manager of The Foxboro Company's Atlanta office.

The Associated Bobbin Companies will exhibit in connection with their Southern representatives, The McLeod Companies.

Bowen-Hunter Bobbin Company will exhibit card room bobbins of various constructions in Vermont rock maple, birch and beech. As usual, they will have an abundant supply of golf tees for distribution. Ernest M. Bowen, president and Harry G. Hunter, treasurer, will be in attendance.

The Dana S. Courtney Company will exhibit a full line of plain filling bobbins, automatic loom bobbins, warp bobbins, sold twister bobbins, high speed warper cones, rolls, tubes and skewers. S. T. Packard, general manager, will be in charge of the exhibit.

Vermont Spool & Bobbin Company will exhibit all types of spools in all constructions for cotton, woolen, worsted, jute, cordage, carpet and wire work. Arthur L. Tiffany, president, will be in charge of the exhibit.

Collectively the three Associated Bobbin Companies will exhibit a complete line of bobbins and spools for every textile requirement.

Crompton & Knowles Loom Works, Worcester, Mass., will occupy the same space as they previously have, it being numbered this year 125. They will show approximately the same number of looms as formerly, covering the silk, cotton, rayon and worsted fields. Many new and

(Continued on Page 22)



» » **In All Fields**

# CELANESE

TRADE MARK REG. U. S. PAT. OFF.

## Represents Textile Progress

### CELANESE

—unlike any other type of yarn—positively does not shrink or stretch.

Celanese is not affected by perspiration, sea water or body acids.

Celanese does not rot or mold.

Celanese is an excellent insulator of electricity, and against heat or cold, thereby keeping the body cool in summer and warm in winter.

It launders easily, even in cold water, and dries with amazing rapidity. The more you wash it the better it looks.

Celanese "white" always stays white, never turning yellow.

Celanese colors are unusually fast to light and washing.

WHEREVER used, Celanese Yarns and Fabrics bring to textile products that distinctiveness of quality and style that set them above and apart in the field of superior merchandise. For in addition to its notable softness, strength, and adaptability to manufacturing conditions, Celanese Yarn brings to knitted or woven fabrics and articles those unique and superior characteristics which have placed this finest of synthetic yarns at the head of the quality field.

### At the Southern Textile Exposition

Visit Booths A-42, 43, 44

*You Will Be Most Cordially Welcomed*

At the above exhibit, the remarkable versatility of Celanese is displayed for your inspection. There are yarns, both natural and dyed, in all forms; fabrics woven entirely of Celanese, or of Celanese mixed with other fibres; knit goods of various types; and examples of the utilization of the unique cross-dyeing properties of Celanese . . . A staff of representatives is in attendance to assist you in every way.

### **Celanese Corporation of America**

180 MADISON AVENUE, NEW YORK CITY

Plant: Amcelle, near Cumberland, Maryland

1046 Public Ledger Bldg., Philadelphia    819 Johnston Bldg., Charlotte, N. C.

38 Chauncy Street, Boston

318 West Adams Street, Chicago

819 Santee Street, Los Angeles

*Celanese yarns, fabrics and articles are made of synthetic products manufactured exclusively by the Celanese Corporation of America.*

# Exhibits at Textile Exposition

(Continued from Page 20)

lately developed features of loom construction will be displayed. They will have on exhibition both the 1x1 box and 2x1 box, shuttle changing looms, and also their new simplified silk loom.

In addition to their mechanical exhibit, they will also have a display of fabrics portraying the versatility of their products. They plan to show as well interesting studies of weave room production.

S. B. Alexander, Southern manager, will be present most of the time. The exhibit will be in charge of R. M. Deal, of the Charlotte office, assisted by S. P. V. Desmond, J. C. Irvin and T. P. Graham. F. W. Howe, and other executives from the home offices are also to attend.

American Hard Rubber Co., New York, will be at Booth Nos. 102 and 103, showing pumps, pipe, fittings, valves, utensils, etc., made of Ace hard rubber or lined with Ace rubber.

H. S. Brady and J. M. McLauren will be in charge.

Diamond Chain and Manufacturing Co., Indianapolis, Ind., will show a motor drive demonstrating the quietness and smoothness of motion of multiple strand chain at high rotative speeds. This will consist of 3-8 inch pitch quadruple strand Diamond high speed chain and two sprockets, driven by 3600 r.p.m. motor and completely enclosed in an illuminated oil tight case with glass sides, permitting observation not only of chain and sprocket action but also of the lubricating system.

A typical chain drive for spinning frame suitable for transmitting power from  $7\frac{1}{2}$  H.P., 1800 r.p.m. motor, consisting of triple strand  $\frac{5}{8}$ -inch pitch Diamond high speed roller chain and two sprockets enclosed in a metal case demonstrating the freedom from oil leakage will also be shown.

A complete line of standard chains, single and multiple, for power transmission both at high and low speeds, and of special chains for applications which involve something more than power transmission will also be exhibited.

Various sizes of Diamond Clark flexible coupling will demonstrate the all metal construction of this mechanism.

Representatives at the booth will be: J. W. Vaughan, Jr., district representative; W. B. Haislup, general sales manager; G. G. Mize, chief engineer; W. A. Warrick, mechanical engineer.

Carolina Rubber Company, Salisbury, N. C., will have exhibit Booth No. 339 and will display several rolls of the type used by finishing plants, together with small samples of tank lining.

The exhibit will be in charge of Harry R. Ferguson, manager of the mechanical goods department of the Carolina Rubber Company.

Celanese Corporation of America will occupy Booths No. A-42, 43 and 44, and in attendance will be the following men from the Charlotte office: H. O. Shuptrine, K. C. Loughlin, E. W. Best, Jr., T. H. Nelson, and Henry Stokes. The exhibit will show Celanese yarns, both natural and dyed, in all forms of delivery; fabrics of various constructions woven entirely of Celanese yarn; fabrics of various constructions in which Celanese yarn has been mixed with other fibres; examples of cross-dyeing in fabrics and knit goods; and Celanese knit goods made on various types of knitting machines, including warp knit goods, circular knit goods, and men's and women's hosiery.

The Texas Company's exhibit will occupy 400 square feet of floor space, and will consist of a large pyramid, made entirely of Texaco paraffine wax, on a Texaco asphalt foundation. The pyramid, located in the center of the booth, will face the entrance, and is to be illuminated from the rear, with colored lights. The reflection of the lighting arrangement through the transparent wax, will lend soft color tone to the entire display.

Samples of Texaco oils, in handsome glass containers, as well as a generous assortment of Texaco packaged goods, will be displayed on the wax pyramid.

To the left of the pyramid, and in the rear of the booth, will be an ever-flowing display featuring Texaco spindle oil "A." On the right side of the wax structure, will be a similar display of running oil, featuring Texaco regal oil.

Near the entrance of the exhibit booth, a glass encased oil film display will be placed, featuring Texaco Alcaid oil.

The booth will also show a power machine on which actual power consumption tests will be run, demonstrating the power consumption qualities of Texaco spindle oils. A comb box will also be on display, operating on light textile

lubricant, showing the necessary changes required for proper lubrication of comb boxes.

An attractive Neon sign, embracing the word "Texaco," will be placed at the top of the paraffine wax pyramid.

Interesting views of The Texas Company's largest refinery, at Porth Arthur, Texas, and pumping stations along their many miles of pipe lines, will be exhibited in this attractive booth.

The Texas Company's exhibit will be under the direct supervision of W. L. Heinz and J. B. Walker, lubrication engineers, ably assisted by C. M. McCue, S. L. Styles, L. T. Jones and R. W. Pursell.

Whitin Machine Works, Whitinsville, Mass., expect to show a small exhibition frame of the Whitin Casablancas long draft spinning, this frame being the latest model "F" model, 36 spindles, 4-inch gauge, motor driven, and equipped with the Casablancas long draft system.

In addition to this, they are showing for the first time a particularly attractive show case with their rings, rolls, spindles, flyers, in fact most of their accessories.

Among those representatives to be present will be William H. Porcher, R. I. Dalton, C. M. Powell, M. P. Thomas, and I. D. Wingo of our Southern office, and E. K. Swift, J. L. Truslow, J. W. Lasell, of the Northern office. There may be a few additions or corrections to be made to this list.

Illinois Engineering Company, Chicago, will display a brilliantly illuminated shadow box in which will be displayed radiator valves of different types, radiator traps of different sizes and types and blast traps for end of steam main drainage, unit heater drainage and for blast coil drainage. Pressure reducing valves, back pressure valves and stop and check valves will also be exhibited in this case in cross sections or rather in cut sections.

There will be exhibited a glass working model under actual steam pressure conditions of high pressure steam trap.

Another feature will be remote control valves electrically operated from an electric panel board and capable of being controlled either manually or by means of thermostat.

Representatives in attendance at their booth will be J. L. Ehretzman and A. F. Nesbitt of Chicago, F. C. Myers of Atlanta, Ga., and F. L. Bunker of Charlotte, N. C., all sales engineers.

Foster Machine Company, Westfield, Mass., space 212 second floor will show their Precise wind model 75 machines, winding cotton thread yarns and rayon and silk knitting yarn. The model 75 for rayon will be of equal interest to knitters who use rayon and rayon producers as the machine will show original methods of building up the Foster rayon knitting cone.

The outstanding feature of the Foster exhibit will be their high speed wrping system. This includes a magazine cone creel and winder to supply the creel. The creel will be operated in connection with a Draper high speed warper.

T. E. Connor, sales manager; with D. W. Bridgman and R. W. Ensign of the sales department will be in attendance.

Clemson College Textile Department will maintain an exhibit and Director H. H. Willis extends a cordial invitation to all chemists, dyers, executives, and other mill men to visit the Clemson booth. Among the features of the exhibit will be a large display of rayon and synthetic yarn materials in all stages, from the crude cellulose to the printed or dyed and finished goods. Also featuring the exhibit will be what is probably the largest and most diversified collection of dyestuffs color cards ever offered for reference in the South.

There will also be a display of hydrogen ion concentration determination, or PH control apparatus of various types. Several attendants will be present to explain and discuss the manipulation and applications of each type of equipment. Visitors will be invited to make any inquiries they may wish.

An additional exhibit, which will be of considerable interest, is a display of modern textile materials from all parts of the world, which will form the background for the other features.

Detroit Graphite Company, Detroit, Mich., will have a very attractively decorated booth displaying their standard brands which cover practically every industrial need. The booth number is 201 and is the first booth on the right hand side of the second floor. Hext M. Perry, division

(Continued on Page 24)



Increase your business — with **BETTER** Fabrics  
Reduce your costs — with **FEWER** Seconds  
*use . . . .*

→ **WATSON-WILLIAMS**  
*Special-Tension* **SHUTTLES**

with the new chromium-plated pads, designed especially for weaving **RAYONS, SILKS, WORSTEDS, and FINE COTTONS** and for use on either **PLAIN OR AUTOMATIC LOOMS**

→ *Also an* **AUTOMATIC**  
**Accelerating CLUTCH**

*an economical attachment for use on all motor-driven*  
**SPINNING FRAMES**

→ Join the ever-growing ranks of those who  
use our **HEDDLE FRAMES, HEDDLES, HAND**  
**CARDS and STRIPPER CARDS**



***THE SHUTTLE PEOPLE***

**THE**  
**WATSON-WILLIAMS MFG. CO.**

**GEORGE F. BAHAN, Southern Representative**  
**Box 581, Charlotte, N. C.**

**MILLBURY, MASS.**

**LEICESTER, MASS.**

**MARLOW, N. H.**

**Booth No. 113**

Reduce your costs — with FEWER Seconds  
 Increase your business — with BETTER Splices

## Special-Tension SHUTTLES

with the new tension-plate back design especially for  
 weaving RAYONS, SILKS, TWEEDS, and FINE COT-  
 TONS and for use on either PLAIN OR AUTOMATIC  
 LOOMS

## Also an AUTOMATIC Accelerating CLUTCH

an economical attachment for use on all motor-driven  
 SPINNING FRAMES

Join the ever-growing ranks of those who  
 use our HEDDLE FRAMES, HEDDLES, HAYD  
 CARDS and STRIPPER CARDS

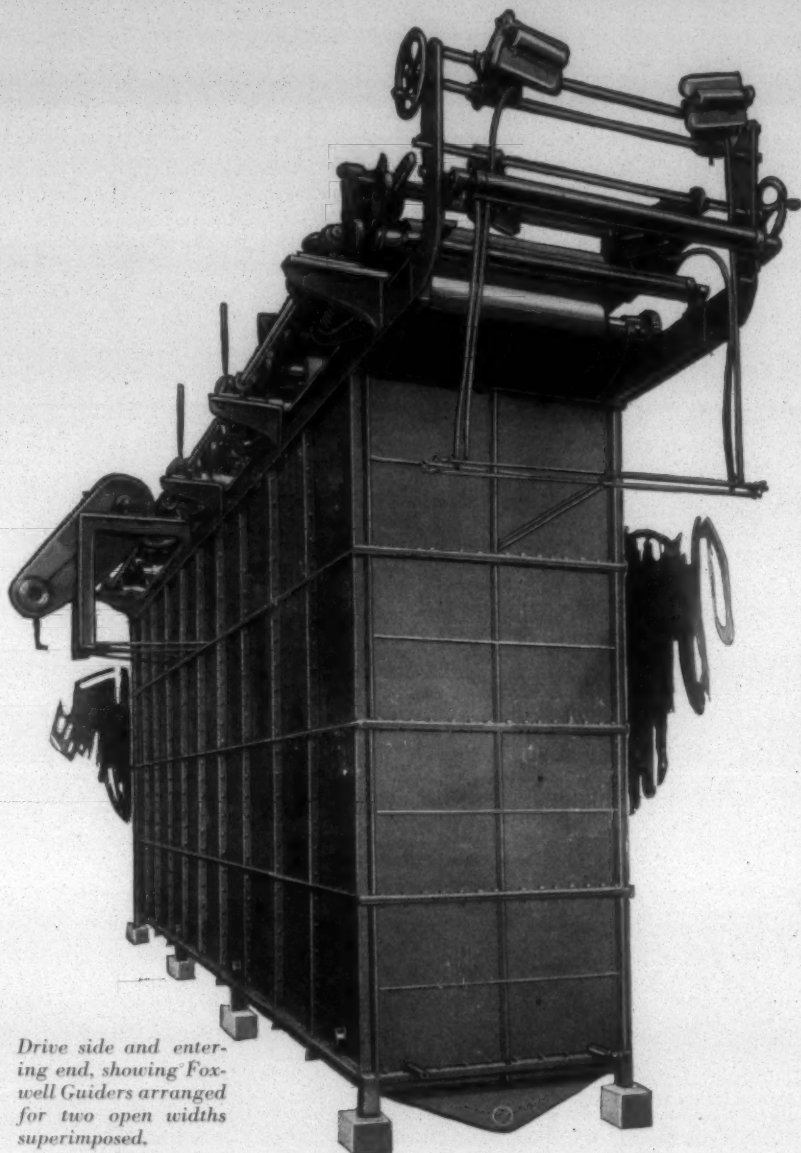


## THE SHUTTLE PEOPLE

THE  
 WATSON-WILLIAMS MFG. CO.

GEORGE F. BARNES, Secretary, Providence  
 RICHARD F. BARNES, President, Providence  
 MILLBURY, MASS.  
 HARTFORD, CONN.





Drive side and entering end, showing Foxwell Guiders arranged for two open widths superimposed.

*At the Southern Textile Exposition in Greenville, October 20th to 25th, an opportunity will be afforded for everyone interested to see an actual installation of the new revolutionary*

## BUTTERWORTH CONTINUOUS KIER

*For processing fabric in either rope or open form*

Reg. U. S. Patent Office No. 1741338  
Other Patents Pending

**T**HROUGH the courtesy of a large Southern textile organization, who are now installing their first Butterworth Continuous Kier, we will be privileged to take those visiting the Southern Textile Exposition into this plant.

Complete descriptive literature on the new continuous Kier will be available at the Exposition, as well as a bulletin incorporating questions which have been asked of our engineers pertaining to the Kier, and the interesting answers to these questions.

Arrangements for visiting the plant where the Continuous Kier is being installed can be made at the Butterworth Exhibit, Space 120-A.

**H. W. BUTTERWORTH & SONS COMPANY, Established 1820**  
PHILADELPHIA, PA.

PLANTS at PHILADELPHIA and BETHAYRES, PA.

New England Office:  
TURKS HEAD BUILDING  
Providence, R. I.

Southern Office:  
JOHNSTON BUILDING  
Charlotte, N. C.

In Canada:  
W. J. WESTAWAY CO.  
Hamilton, Ontario

# BUTTERWORTH *Finishing* MACHINERY

A COMPLETE LINE OF FINISHING MACHINERY FOR THE TEXTILE INDUSTRY .....

# Exhibits at Textile Exposition

(Continued from Page 22)

manager, of the Southern division, T. M. Bailey, sales agent, of the Greenville office, Hugh Black, sales agent, Greensboro, N. C., and Frank Hughes of Greenville office will be in attendance at the booth.

The Manhattan Rubber Mfg. Division, Passaic, N. J., will have Booth Nos. A-31, 32 and 33, on the annex floor.

They propose to display especially an exhibit of rubber covered rolls such as are used by the textile industry, rubber lined tanks for dyes where the solution is slightly acid, rubber lined steel pipe and fittings, which is used for conveying acid and alkaline solutions, as well as a complete line of mechanical rubber goods such as belting, hose, etc., used by the textile industry.

The representatives in charge will be E. H. Olney, from the Birmingham office. There will also be in attendance their Birmingham manager, E. A. Hamilton, and one of the Birmingham traveling representatives, and H. Snyder, manager roll department.

New York & New Jersey Lubricant Co., New York, will exhibit at Booth 109, main floor. The corps of men who will be in charge are experts in lubrication for textile mills, and are particularly well equipped to discuss and advise on mill problems. Copies of the 52-page booklet, "Lubrication of Textile Machinery," which deals with every piece of machinery that handles cotton, from the bale to the shipping room, are to be had for the asking. The following will be in attendance at Booth 109: Lewis W. Thomason, Southern district manager; Falls W. Thomason, expert in textile lubrication; W. H. Higginbotham, W. C. Taylor and J. A. Sorrells, also of the Southern staff; W. F. Kimball, president, and Jos. H. Bemis, vice-president and sales manager.

Continental Diamond Fibre Company, Newark, Del., will show all types of Diamond fibre receptacles, trucks, boxes, barrels and baskets used by the textile manufacturers. They will also show various moulded Celoron Phenolic parts also used by textile manufacturers.

They will also give some attention to Celoron silent gears and to the special parts machined from Dilecto laminated phenolic material and Diamond vulcanized fibre.

C. L. Simmons will be in charge of the booth.

Acme Steel Company, Atlanta, Ga., will exhibit a complete line of steel bale tie band, box strapping and steel specialties for reinforcing all kinds of shipping containers.

Representatives who will attend are: Frank H. Webb, vice-president and manager, Atlanta, Ga.; Frank G. German, North Carolina representative; W. H. Duane, South Carolina representative; Carl J. Sharp, assistant general sales manager, Chicago.

McLeod Companies, Greensboro, N. C., will have their booth in space No. 233 on the second floor of the main building.

The McLeod Companies are as follows: McLeod Leather & Belting Co., Greensboro, N. C.; Odell Mill Supply Company, Greensboro, N. C.; Greenville Textile Supply Co., Greenville, S. C.; Atlanta Textile Supply Co., Atlanta, Ga.

The officials in attendance at their booth will be as follows: W. T. McLeod, president McLeod Leather & Belting Co.; R. W. Wallace, manager Odell Mill Supply Co.; D. R. Dickson, manager Greenville Textile Supply Co.; R. B. Dorman, manager Atlanta Textile Supply Co. Also the various traveling salesmen for these companies.

The firms whose goods will be displayed are as follows: McLeod Leather & Belting Co., Greensboro, N. C.; Standard Crayon Co., Danvers, Mass.; Bowen-Hunter Bobbin Co., East Corinth, Vt.; Frank E. Paige & Co., Boston, Mass.; T. B. Wood's Sons Co., Chambersburg, Pa.; The Fairbanks Co., 393 Lafayette St., New York, N. Y.; L. H. Gilmer Co., Tacony, Philadelphia, Pa.; Dana S. Courtney Co., Chicopee, Mass.; Swan-Finch Oil Corp., 120 Lister Ave., Newark, N. J.; The Fibre Specialty Co., Kennett Square, Pa.; Vermont Spool & Bobbin Co., Burlington, Vt.; Century Electric Co., Atlanta, Ga.; Taplet Mfg. Co., New York, N. Y.; R. & J. Dick Co., Passaic, N. J.; Latrobe Tool Co., Latrobe, Pa.; The Transmission Ball Bearing Co., Inc., Buffalo, N. Y.

Lestershire Spool & Mfg. Co., Johnson City, N. Y., expect to exhibit a high speed warper used in connection with a Lestershire creel and Lestershire fibre head spools, pulling the yarn over the heads of the spools. In addition to this they will exhibit the different types of fibre head spools which they manufacture.

They expect to have in attendance H. D. Clinton, presi-

dent; L. E. Wooten, vice-president, and L. R. Clinton, treasurer.

Arnold, Hoffman & Co., Inc., Providence, R. I., in Booths Nos. 346 and 347, shall show the strides that have been made in bleaching and finishing of cotton goods in the South by having on display samples from all of the finishing plants to which their goods have contributed in producing these finishes.

The exhibit will be in charge of R. E. Buck, Jr., South Carolina representative of the Arnold, Hoffman & Co., Inc. They shall have William H. Hayward, president, and E. W. Mayer and E. D. Cole from the works at Dighton, Mass., as well as their Southern representatives, who are F. W. Johnson, Greensboro, N. C.; F. G. North and S. M. Smith, Atlanta, Ga.; R. A. Singleton and W. G. Shull, Dallas, Tex.; and R. E. Buck, Charlotte, N. C., Southern manager.

Watson-Williams Mfg. Co., Millbury, Mass., in Booth No. 113 will display a board showing their various products including shuttles, heddles, heddle frames, hand cards, stripper cards, and dog brushes. They will display some of their special tension shuttles with chromium plated pads for weaving on automatic or plain looms, rayons, silks, worsteds, and fine cottons. They will also have on exhibition a special accelerating automatic clutch which can be used very economically on power driven spinning frames.

They expect the following to be in attendance at their booth: Watler C. Watson, president; Wilbur L. Watson, treasurer; Clifton E. Watson, general manager; Hubert J. Watson, assistant manager; Philip L. Spencer, superintendent; Donald R. Scott, office manager; George F. Bahan, Southern representative; Lewis Nakashian, who will have charge of the automatic clutch division.

Charlotte Leather Belting Company, Charlotte, N. C., expect to show rolls of Charlotte belting and also a variety of leather strapping.

The representatives who will be in attendance are R. M. Pindell, Jr., W. H. Fortson, Russell A. Singleton, George L. Abbott, and Fred R. Cochrane. The number of their booth is A-22 and 23, first floor annex.

Taylor-Colquitt Co., Spartanburg, S. C., will show models and photographs to give concrete suggestions as to how creosoted material may be adapted to a variety of structural uses.

In addition, the exhibit will show how timber is given a preservative creosote treatment at the Taylor-Colquitt Company plant. Photographs of the equipment for impregnating material under high pressure with creosote oil and thereby rendering it immune to decay will be shown interested visitors, as will sawed sections of treated timber showing the complete penetration of sapwood structures obtained by the process of treatment.

Representatives in attendance will include A. B. Taylor, president, W. P. Conyers, vice-president; John F. Renfro, secretary; M. P. Brown, assistant sales manager, and Dana Ravenel, Jr., engineer.

U S Bobbin & Shuttle Company is planning an exhibit of unusual interest for exhibitors and guests. The exhibit itself, at Booth No. 238, on the second floor will approximate as far as possible a comprehensive display of U S Bobbin & Shuttle Company products for which the concern is so well regarded. Particular emphasis is to be given to the more recent developments initiated by the company in design and manufacture of bobbins, spools, and shuttles.

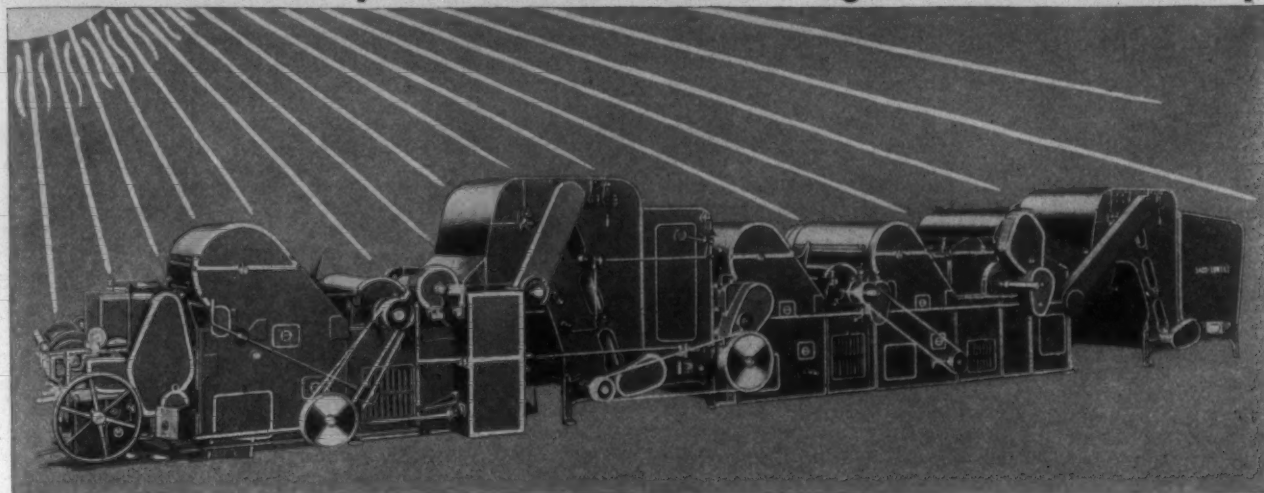
It will be impossible to show the complete line of U S products, but every attempt will be made to give the visitors at Greenville a first hand knowledge of the strides forward which have been made by the company's research and engineering departments.

L. K. Jordan of Monticello, Ga., sales manager for the Jordan Division, and H. C. French, of Manchester, N. H., sales manager for the Eastern division of the U S Bobbin & Shuttle Company, together with J. H. Kelly, Monticello, Ga.; D. C. Ragan, High Point, N. C.; Mat Ousley, Greenville, S. C., and E. R. Umbach, Atlanta, Ga., will be on hand to welcome old friends and new.

Stein, Hall & Co., Inc., exhibit will occupy spaces No. 209 and 210, located on the second floor of the main building, and will consist of a complete line of starches, dextrine and special products of interest to the textile industry. In attendance at the exhibit will be Ira L. Griffin, Southern manager; Dr. C. J. Peterson, technical director, of Charlotte, N. C. laboratory; Wm. N. Kline, Jr., T. C. Davis and J. Frank Crawford, all of the Southern office.



## Here's One Way to **ELIMINATE** Night Work Profitably



**Successful Mill Makes Annual Savings of \$5,410 in Labor and Power . . . on a \$17,314 Investment . . . Eliminating Night Work with SACO-LOWELL One-Process Pickers**

### Table of Facts

OLD EQUIPMENT (Night and Day) . . . . .			
POWER	Two 2-Beater Gauge Box Breakers	@ 10 H. P.	20 H. P.
	Three Intermediates	@ 5 H. P.	15 H. P.
	Four Finishers	@ 5 H. P.	20 H. P.
	Day Run		55 H. P.
	Night Run		55 H. P.
	Day and Night Opening Room		40 H. P.
	Total H. P.		150 H. P.
LABOR	One Breaker Hand	\$12.00	
	One Intermediate Hand	13.20	
	One Finisher Hand	14.00	
	One-half Opening Hand	6.00	
	Day Shift	\$45.20	\$45.20
	Night Shift		50.00
	Weekly Labor Cost		\$95.20
NEW EQUIPMENT (Day Only) . . . . .			
POWER	Three Model B-1 One-Process Pickers	@ 15 H. P.	45 H. P.
	Day Run Opening Equipment		20 H. P.
	Total H. P.		65 H. P.
LABOR	One Picker Tender	\$15.00	
	One Picker Helper	13.20	
	One Opening Hand	12.00	
	Weekly Labor Cost	\$40.20	\$40.20
	Power Saved (85 H. P. @ \$30 per year)		\$2,550.00
	Labor Saved		2,860.00
	Savings		\$5,410.00
	Investment		\$17,314.00
NET RETURN			31%

**A**CTUAL savings in labor and power amounting to \$5,410 annually are reported by a large Southern mill which replaced a night and day run of Two-Process Picking with three Saco-Lowell Model B-1 One-Process Pickers. (Complete details of the old and new layouts are given at the left with a schedule of comparative costs.)

The total investment in modern machinery amounted to but \$17,314, so the net return is 31% annually. The new pickers will pay for themselves in 3 years. On top of this the mill reports that the variation from yarn numbers considerably reduced, that better carding is obtained, that the entire mill is running better.

If you are considering the advisability of abolishing night work, as advocated by leaders in the industry, here is one way to do so at a profit.

# SACO-LOWELL

MANUFACTURERS OF TEXTILE MACHINERY

147 MILK STREET, BOSTON, MASS.

CHARLOTTE, N. C.

SPARTANBURG, S. C.

ATLANTA, GA.

# Exhibits at Textile Exposition

**Parks-Cramer Company, Fitchburg, Mass.,** will show an application of the automatic ventilation control used in conjunction with automatic humidity control and humidifiers, to obtain a completeness of air conditioning.

The exhibit will be rounded out with a complete line of humidifying devices and automatic regulators illustrating the recent developments in all devices. Their booth is No. 127.

In attendance at the show will be the following: W. B. Hodge, W. H. Burnham, J. F. Porter, O. G. Culpepper, H. B. Rogers, J. R. Henderson.

**Toledo Scale Company, Toledo, O.,** will exhibit a complete line of automatic springless scales for all weighing requirements in the textile trade.

Among these models will be scales used in determining automatically the weight per yard of fabrics, regardless of width and the total weight of the piece. This special scale will also determine the number of yards per pound and the number of yards in the bolt or piece. A special attachment can be furnished for determining the weight per square yard.

Another special scale is one for determining the weight per dozen of hosiery or other similar textile products.

In addition to the above they will exhibit a complete line of Dormant portables and bench type industrial scales for various uses throughout textile plants.

In front of the display will be installed a Toledo free weigher which is so sensitive as to record the heart throb of the person weighed.

They will also exhibit new models of computing scales for use in commissaries and retail stores.

**Industrial Drives, Inc., Worcester, Mass.,** in Booth 113, will exhibit jointly with the Watson-Williams Manufacturing Company and will feature a display of the "Industrial automatic coupling unit and speed accelerator especially adapted for spinning frames.

The Industrial clutch coupling is normally located between a source of power, the prime mover, and a mechanism that is to be driven. In a static state it is entirely disengaged, there being not even the slightest load to revert to the motor. Upon starting, the motor is free to attain its full speed in its normal time. When at full speed the motor sets an auxiliary actuator into motion, which closes the play between two disks and by a slight friction, a cam carrier is then set in motion causing it to accelerate into the eventual speed of the coupling.

The display intends to demonstrate that the Industrial unit is applicable to any source of prime mover, engages and disengages automatically, is cut off in static state, is a positive drive in dynamic state for given rating, is totally enclosed, utilizes dry couplings with no point of lubrication, requires no additional space, is very durable and can be separated conveniently with disturbing the machine setting.

**The Keever Starch Co., Columbus, O.,** will exhibit in spaces Nos. A-10 and 11, and will show samples of the various textile starches in jars, globes and bags, placed in a setting of palms and ferns.

In attendance at the booth will be Charles J. Kurtz, president and general manager of The Keever Starch Co., of Columbus, O.; Daniel H. Wallace, Southern agent; C. B. Iler, of Greenville; L. J. Castile, of Charlotte, and F. M. Wallace, of Columbus, Ga.

**Abbott Machine Company, Wilton, N. H.,** will exhibit one of their circulating spindle winders. They will feature its use for winding cones for magazine creel work and headless parallel tube packages for setting in ahead of twisting. In addition, other money saving applications will be shown.

The machine will be run under a full production schedule to show as closely as possible, the operation under actual mill conditions.

A full sales and demonstrating force will be in attendance under the supervision of W. G. Abbott, Jr.

**Hires Turner Glass Company, Philadelphia, Pa.,** will have Booth No. A-16 and the exhibit will consist of different types of actinic glass for use in textile mills and an exhibit of corrugated wire glass skylights.

They will be represented by S. M. Burkhalter.

**Draper Corporation, Hopedale, Mass.,** is to exhibit the following:

One 40-inch E model loom weaving all rayon goods.

One 36-inch K model loom with dobby weaving fancies, cotton warp and rayon filling.

One new E model loom with roller bearings, Alemite fittings and a new take-up drive.

One new S-4 model silk loom weaving taffetas.

One 40-inch K model loom on broadcloth.

One 32-inch modified D model loom weaving No. 10 narrow duck.

One new Draper high speed warper with magazine creel.

New Stimpson centrifugal clutch spindles.

New Merrill and Mirror spinning rings.

A new shuttle.

A twister making novelty knotted yarns.

The exhibit will be under the personal direction of the two Southern representatives, Clare H. Draper, Jr., of Spartanburg and Watler M. Mitchell of Atlanta. All Southern traveling men will be in attendance as will several of the corporation officials from Hopedale.

**E. H. Jacobs Mfg. Co., Inc., Danielson, Conn.,** will show their full line of lug straps, loom pickers, picker strapping and textolite loom pickers. The newest development will be a full line of textolite pickers of all kinds, adaptable to all kinds of looms for cotton, silk, wool and plush.

They will also show a few textolite spools and feature the Master Verybest lug strap which was shown for the first time at the Boston show. At the time of the show still another new product will be announced and shown for the first time.

The officials in attendance at the Booth—No. A-131—will be H. S. Lowndes, Southern sales manager; E. J. Bullard and J. H. Chadbourne, vice-president. W. C. Scott and C. W. Mansur, General Electric Company engineers, will also be in attendance.

Another added feature in the exhibit will be a model of the largest lug strap in the world.

**Clinton Corn Syrup Refining Co., Clinton, Iowa,** will be represented by Geo. E. Corson, Luther Knowles and J. Wm. Pope.

Samples of different products made by the Clinton company for the textile trade will be shown at Booth No. 205.

**Taylor Instruments Companies, Rochester, N. Y.,** exhibit of Tycos instruments for the textile industry will be located in spaces, 64, 65 and 66-A in the annex.

A full line of instruments which are important in Tycos automatic control units will be on display. The exhibit will be attended by T. C. Hazard of the Rochester office of the company, and H. M. Barker and L. R. Wright of the Atlanta branch.

Visitors at the Greenville Exposition are cordially invited to inspect the Tycos booths and discuss their temperature and pressure control problems with the Taylor Instrument Companies representatives.

**The David Brown Co., Lawrence, Mass.,** will occupy space A-92 in the permanent annex. They will have a display giving a comprehensive idea of their full line of high grade bobbins, spools and shuttles. However, the space will be used primarily for a place where David M. Brown, president and George G. Brown, treasurer, and their Southern representatives, who will be in attendance throughout the show, can meet their many friends from the textile mills of the South.

**The Terrell Machine Co., Inc., Charlotte, N. C.,** is to have Booth No. 101. It will be in charge of E. A. Terrell and A. C. Kimbril. The exhibits will consist of their latest improved Termaco roving bobbin cleaners and their type "K" bobbin cleaner for automatic and plain loom bobbins.

**Thomas Leyland Machinery Co., Boston, Mass.,** will exhibit at Booth No. A-140, regulating cloth expanders for water managles, starch mangles, dry cans, calenders, dyeing machines, mercerizing machines—for silk, rayon and cotton piece goods. The expanders, in one, two, three, or five bars, may be equipped with metal clutches or the rubber covered oilless bearing clutches and their new rubber covered roller bearing clutches. They also exhibit sautechers and guides.

In attendance at the both will be F. T. Walsh, Arthur Isherwood, J. Ernest Puffer.

**Warp Twisting-In Machine Co., Brooklyn, N. Y.,** in Booth 130, will show warp twisting-in machines, in active operation, twisting in rayon warps in the loom and away from the loom, also the machine being operated twisting in a raw silk warp.

The machine is to be shown twisting in a rayon warp in a Stafford loom, the warp of which will be equipped with an electric warp stop motion supplied by the R. I. Warp Stop Equipment Company. This special feature will show that rayon warps can be twisted in the loom, the warps of which are equipped with warp stop motion, it not being necessary to remove the stop motions for loom twisting purposes.

Representatives will be John H. Becker and Charles H. Rute.



# H & B AMERICAN MACHINE COMPANY

PAWTUCKET, R. I.

EXTENDS TO YOU A  
CORDIAL INVITATION TO VISIT THEIR EXHIBI-  
TION AT THE SOUTHERN TEXTILE EXPOSITION  
AT GREENVILLE, SOUTH CAROLINA, OCTOBER  
20 TO 25, 1930, AND SEE THE MOST RECENT  
DEVELOPMENTS IN TEXTILE MACHINERY.

REPRESENTATIVES WILL BE IN DAILY  
ATTENDANCE.

BOSTON OFFICE  
161 Devonshire Street  
C. E. RILEY, Pres.

SOUTHERN OFFICE  
815 Atlanta Trust Co. Bldg.  
ATLANTA, GA.

## Exhibits at Textile Exposition

Graton & Knight Co., Worcester, Mass., will occupy Booth Nos. A-4, 5 and 6 and the space will be attractively decorated in the well known orange and black color scheme of the Graton & Knight Company. The products to be shown will include the following: New "tension cemented" leather transmission belting, transmission rubber belting, lace leather, cements and dressings, leather packings, textile specialties of all kinds, lug straps, check straps, leather pickers, rub roll aprons.

The new "tension cemented" leather belting will be featured, as will also the Graton & Knight 50 loop picker.

In attendance will be H. W. Tuxbury, specialties sales manager; C. C. Anderson, Greenville representative; O. D. Landis, Charlotte representative; D. A. Ahlstrand, Atlanta representative; J. C. Ruf, Boston branch manager, and E. G. Monigle, assistant advertising manager.

Charles Bond Co., Philadelphia, Pa., will occupy spaces A-131 and 132 adjoining the space occupied by their associate company, Bond Foundry & Machine Company of Manheim, Pa.

They will display a full line of their well known Bondaron special tanned textile leathers such as check straps, lug straps, bumper straps, harness straps, pickers, etc.

In addition to the Bondaron line there will be on display an exhibit of imported Persian lambskins and English sheep and calf skins.

Bondaron special tanned leather belt will also be shown as well as the special tanned Bondex belt along with the nationally known Bondaron round leather belt.

A unique feature of the Bond exhibit will be a motion display of Bond leather specialties. This moving picture is a new development in the art of displaying merchandise. It is not a photographic process but through continuous motion and special lighting, constantly shows a procession of the actual pieces of goods in the various actual sizes.

The Southern representatives of the Charles Bond Company, John C. Turner of Atlanta and Harold C. Smith of Greenville, will be in attendance at the show along with C. Carter Bond, of Philadelphia.

Allis-Chalmers Mfg. Co., Booths 121 and 122, will exhibit Texrope drives—belts showing all lengths for textile machinery application together with a demonstration of the positive grip of the belts in the grooves; totally enclosed fan-cooled motors—a motor will be operated in lumpy atmosphere with windows exposing the clean interior which will be illuminated; centrifugal pumps exemplified by the Type "SSU," the complete high grade pumping unit scarcely larger than the motor alone. The booth will be in charge of Berrien Moore, manager, and associates from Atlanta office of Allis-Chalmers Mfg. Co.

Quaker City Chemical Co., Philadelphia, Pa., will have Booth No. 303 on the balcony, attractively displaying a complete line of domestic and foreign oils, both vegetable and mineral, to be used in dyeing, bleaching, finishing and lubricating of rayon, silk and cotton textiles.

Also compounded products of all types to be used for the same purpose.

This company has plants in Hamilton, Ontario, Canada, Philadelphia, Pennsylvania and Knoxville, Tenn.

In attendance will be W. S. McNab, vice-president and Southern manager; Robert Cowan, chief chemist, and Harold E. McNab, the North and South Carolina representative.

U. S. Ring Traveler Co., Providence, R. I., in A-51 and 52, will exhibit the usual run of travelers, also the Bowen patented bevel-edge in steel and bronze, also the Bowen patented offset traveler and probably some new type rings that have been patented by Mr. Bowen. They will also have a new moving three spindle apparatus to show the travelers running on rings.

Those who represent the company at the show will be W. P. Vaughan, Southern representative, and O. B. Land.

The Mathieson Alkali Works, Inc., New York, will be located in Booths A-116 and 117 in the Annex and will include display samples of their products for the textile industry (caustic soda, soda ash, liquid chlorine, bleaching powder, aqua ammonia, H T H (hypochlorite), etc.), together with a display of their various shipping containers and equipment.

Following is a list of their representatives who will be present during the Exposition: F. O. Tilson, Southern district sales manager; J. R. Schmertz, advertising manager; J. W. Ivey, Z. N. Holler, R. C. Staples, E. M. Rollins and E. M. Murray, representatives.

Link-Belt Co., Chicago, Indianapolis and Philadelphia, will exhibit in Space 219. Their exhibit will consist of

power transmission specialties of the positive drive division. These products, silent chain drives, roller chain drives, speed reducers, and the new P. I. V. gear, are in wide use at many textile mills in both the East and South. Photographs of typical applications and records of installations, many of which have been in service ten, fifteen years or more, will be available.

Eclipse Textile Devices, Inc., Elmira, N. Y., will exhibit the following devices: Eclipse single color random dyeing machine, Eclipse yarn cleaning device, Eclipse slub catcher, Eclipse ball bearing bobbin holder. They will also have an exhibit of the random dyed weaving and knitting yarns.

The representatives who will attend are: J. C. Ferguson, president; John P. Garey, L. B. Hasbrouck, L. A. Uttrich, G. R. Fassett and P. E. Brown. Their space number is 232.

Borne Scrymser Co., New York, at combined Booths A-75, 76-77-120, will display their specialties for cotton finishing and spinning.

They will feature their "Breton Minerol" process system for oil spraying of textile fibres.

The manufacturers and finishers of cotton rayons will be interested in the display of Breton Minerol F, Ceetom, Breton Minerol E. S., and other materials valued for the finishing of these fabrics.

For the mechanical lubricant, Breton Twister Ring Grease (lubrication of high-speed, heavy-duty twister rings), will be featured.

Brilliant Oil Ax (a gelatinous lubricant for looms, top rolls and general purposes) will be represented by product samples.

The booths will be in charge of their representative, H. L. Siever, assisted by J. J. Brown and Wm. B. Uhler. The New York office will be represented by Everett H. Hinckley, vice-president. Herbert Hinckley, Inc., will be in charge of the mechanical work.

They will also show Borne's lubricator system and products. This system is particularly adaptable to mules, cards, looms, calender and dryer lubrication, etc., where numerous inaccessible bearings must be taken care of and where the use of the lubricant must be carefully governed to avoid damaged textiles.

This system may be either hand or power operated according to the wishes of the machine operator and size of the machine being used.

H. W. Butterworth & Sons Co. will display the new Butterworth continuous kier for processing fabric in rope or open form.

The exhibit will be in charge of J. Ebert Butterworth, vice-President and director of sales, who will be assisted by J. Hill Zahn, in charge of the Southern office, and William S. Rowley, engineer.

Through the courtesy of a large textile manufacturing and finishing concern in the South, arrangements have been made for any one interested to see an installation of the new continuous kier, which is located not far from Greenville.

Goods finished by the two methods of kiering; that is, open and closed, will be on exhibition, and during the time of the Exposition it is planned to make interesting demonstrations showing in just what condition goods leave the new kier.

In addition to featuring the Butterworth Continuous Kier at the Southern Textile Exposition, H. W. Butterworth & Sons Co. have decided to show the new Farrell Expander and Foxwell Guiders, having air compressors operated by individual motors which plug directly into the electric light socket.

The Louis Allis Co., Milwaukee, will exhibit a Louis Allis textile motor treated with resistallis, and their type "J" enclosed fan-cooler motor. They will be in Booth No. 117.

The representatives of the company will be L. Kimmel, of the Jones Machinery Co., of Atlanta; E. F. LeNoir, from the factory, and F. L. Barker, Charlotte, N. C.

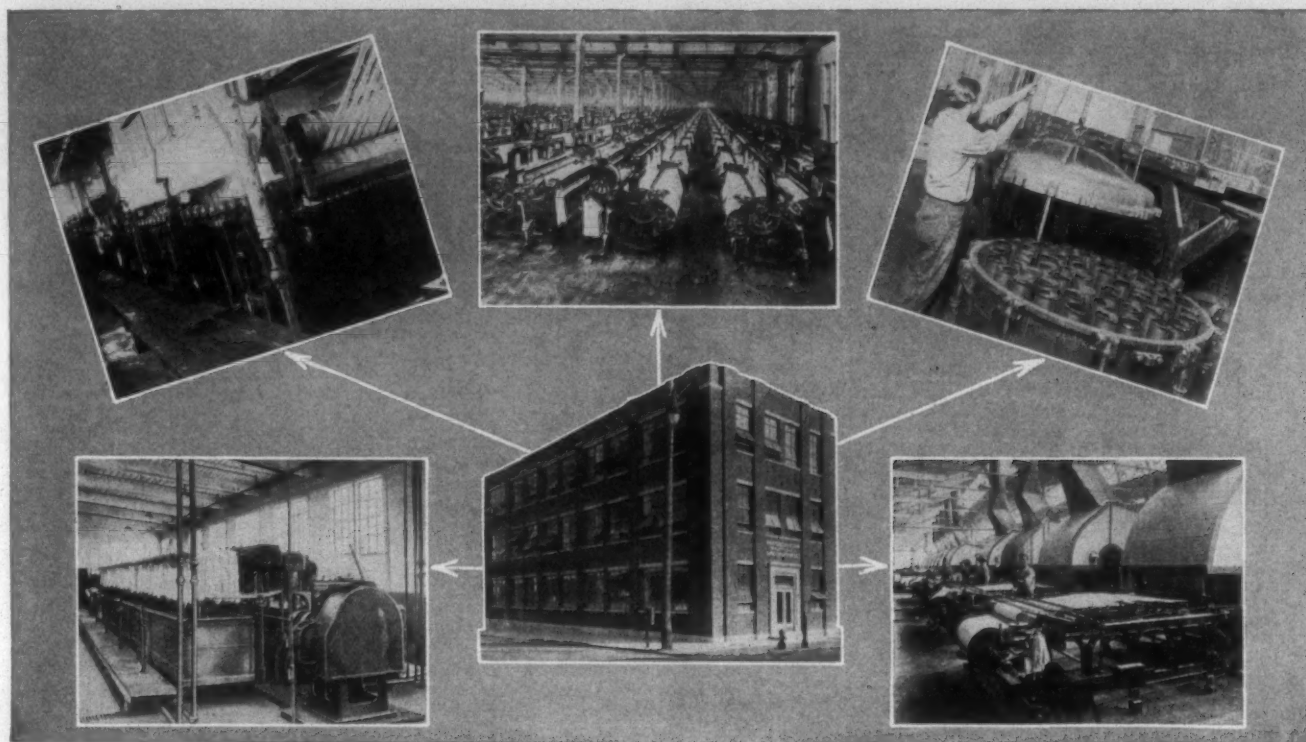
Dayton Rubber Manufacturing Company, Dayton, Ohio, will have a complete display of Dayton cog-belt drives in Booth No. 121. A particular feature of the exhibit is a display arranged to show how the laminated cog construction eliminates distortion in going around the pulley, as well as showing other unique and distinctive features of the cog-belt.

The Dayton Rubber Manufacturing Company will be represented by R. W. Stanton, Southern district sales engineer; W. T. Wagner, industrial engineer; and T. C. Davis, manager industrial division, mechanical sales department.



# Houghton Research - -

## - covers the Cotton Industry



**H**OUGHTON Textile Engineers live with Cotton mill men. They know the mill man's problems and how to solve them.

You can't Afford to  
Miss the  
Southern Textile  
Exposition  
Greenville, S. C.  
October 20-25, 1930

We'll look for you at  
Houghton's  
headquarters—Booths  
121 and 122

Are you taking full advantage of the savings a Houghton Textile Engineer can make for you? His knowledge and experience, backed by 65 years of accumulated research, is at your call. There's a Houghton man near to serve you.

Houghton's products  
for the cotton mill in-  
clude:

Warp Conditioner,  
Warplubric,  
Tallolubric,  
Sulfol,  
FWO Oil,  
Houghton's Aid,  
Raylubric,  
Cottonlubric.

# E. F. Houghton & Co.

PHILADELPHIA

*And All Over the World*

# Exhibits at Textile Exposition

The Atwood Machine Co., Stonington, Conn., will exhibit the following: One Stonington winder, single deck, one single deck advance redraw frame, one 5B double twister, one Monarch double deck twister. They will also show Uni-Twist belting and other accessories that are used on silk and rayon throwing machinery.

Two of these machines are absolutely new and have never been exhibited or announced to the trade before. These are the single deck advance redraw frame and the Monarch double deck twister.

In attendance will be P. N. Thorpe, general sales manager; J. E. Fairbrother, Southern representative; Harold Morton, service Engineer; I. R. Rowe, chief engineer, and E. H. Peirce, vice-president and general manager.

Lockwood Greene Engineers, Inc., Spartanburg, S. C., at Booths A-49 and 50, will show some interesting features of work recently designed by this firm, together with pictures of different types of textile work.

The Whitney Mfg. Co., Hartford, Conn., will include a display board showing Whitnew silent and roller chain drives in a double reduction; a working display of Whitney reversible type chain as applied on a horse-head traverse drive on roving frame; Whitney reversible type chain as used on reverse drive of wool-spinning frame.

G. C. Steil, R. A. Glass, W. R. Milnor, and R. J. Howison will be in attendance.

American Tool & Machine Company, Boston, Mass., specializes in the design and manufacture of centrifugals and extractors for sugar, chemical, textile, laundry and other industries. They are to exhibit a new 40-inch link-suspended motor driven extractor, equipped with Louis Allis special extractor duty motor, Timken bearings, Alemit lubrication and Gilmer "V" type belts. They also will show a 26-inch motor driven Weston extractor equipped with Louis Allis vertical motor, and driven by Gilmer "V" belts.

Crouse-Hinds Company, Syracuse, N. Y., will have rather a large exhibit of conduit wiring devices and outlet boxes having the trade name of Condulets. They also will display a large line of their circuit breaking plugs and receptacles having the trade name of Arktite. These plugs and receptacles are of such a construction that it is possible to pull them under load on any voltage up to 600 A.C. without any danger of the arc creeping to the surface of the receptacle. In other words, the arc is completely smothered within the interior of the receptacle and cannot reach the exterior.

They will also display several types of floodlights which they have recently placed on the market.

They expect to have the following men at the Exposition: F. C. Smith, H. L. Guiney, D. W. Scuibbi and C. A. Hausman.

Rhode Island Warp Stop Equipment Co., Pawtucket, R. I., exhibit, in Space 119, will consist of, principally, a Model E Draper loom weaving broadcloth with their well known K-A Electrical Warp Stop Motion. Also a model loom showing the working principles, and especially the simplicity of the K-A, together with working model of their improved electrical feeler.

Sundry exhibits of electric feelers and new developments in their K-A service to mills.

A particularly interesting feature will be the adaptation of their K-A Electrical Warp Stop Motion for use with alternating current. The loom will be driven by a motor that is now manufactured by several motor makers, having low tension taps or leads with which the warp stop motion can be connected. There will also be on display transformer units for use with motors already in use that are not built with the incorporated transformer windings and low tension warp stop taps.

William D. Whittaker, Southern representative, will have charge of the exhibit. With him will be his colleagues in the Southern field, W. L. Ferguson, George W. Smith and W. A. McKinney.

The Stafford Co., Readville, Mass., exhibit will be largely a rayon and fine cotton demonstration, but will include one of the latest type 2x1 silk looms and also a 90-inch wide sheeting loom weaving from a single warp beam. To summarize, they will have one non-automatic loom, namely, a 40-inch 2x1 silk loom, three shuttle changing looms and two bobbin changing looms.

The exhibit will be in charge of their Southern agent, Fred H. White, who will have with him D. C. Dunn and J. M. Gregg, salesmen from the Southern office, and C. L. Sisk, head of the Southern service department. There will also be present representatives from the executive offices at Readville. Their exhibit will occupy Space No. 126.

The Stafford looms to be exhibited follow:

48-inch 2x1 silk loom weaving three thread georgette. Warp and filling three thread georgette. 100 sley, 54 picks.

40-inch 4-harness automatic shuttle change loom weaving broadcloth. Warp 70-2 ply filling 50s single. 124 sley, 64 picks.

44-inch automatic shuttle changing loom equipped with 20 harness dobby weaving shirtings. Warp 40s filling 150 denier rayon. 68 sley, 72 picks.

40-inch automatic bobbin changing loom weaving voile. Warp and filling 50s hard twist. 60 sley, 56 picks.

44-inch 3-harness automatic shuttle changing rayon loom weaving Glanzstoff twill. Warp 150 denier 32 filament 3½ turns per inch. Filling 150 denier 32 filament 7½ turns per inch. 90 sley, 58 picks.

90-inch automatic bobbin changing loom weaving a broad sheeting from a single warp beam.

E. F. Houghton & Co. will occupy Booths 120 and 121. As a part of the Houghton exhibit, a scene from milady's boudoir will be shown and the various Houghton products which are used in the industry will be linked up with the exhibit; for example, in connection with sheets, pillow tubing and other cotton woven fabrics, they will call the visiting public's attention to Houghton's Warp Conditioners or sizing products used in sizing these warps.

Houghton's Raylubric Size No. 3 and Raylubric No. 18 will be shown in connection with rayon bedspreads, etc. The former product is a sizing material and the latter a finishing compound.

A complete line of lubricants for the textile industry, the Houghtometer, which shows the gripping power of belts, a complete line of Vim and Brute brand textile leathers, and several examples of the work done by the Houghton Research staff as a service to its customers will also be exhibited.

The new Houghton booklet discussing Houghton products for sizing cotton warps will be available for distribution.

Another extremely interesting feature of the Houghton exhibit will be what is known as a close trimmed tanned butt which has been tanned by the special Vim tanning process. This piece of leather shows the size of the trimmed hide from which Vim leather belts and other Vim leathers are made. It is ruled off and shows the part of the hide that the various belts are made from.

The booth will be in charge of Geo. S. Rogers, Western assistant general sales manager; C. G. Schultze, assistant sales manager; H. J. Waldron, distributor for North Carolina; Robert J. Maxwell, distributor for South Carolina; Geo. H. Small, distributor for Georgia; W. R. Barker, distributor for Alabama; Porter H. Brown, distributor for Tennessee; Herbert C. Roberts, manager textile sales.

The American Pulley Co., Philadelphia, Pa., will show steel pulleys, Sprucolite motor pulleys, pressed steel shaft hangers, hand trucks and beam heads. Accessories or parts of the above products will also be on display. F. E. Huxley will be in charge.

The Standard Oil Co. exhibit will consist of a Standard Oil Company of New Jersey service station, fully equipped with pump, rotary lift and operators. There are two electrically driven automobiles, one which stops in the service station for a supply of Esso while the other makes a complete circuit. In the rear there is mountain scenery with a tunnel, through which passes an electric locomotive with three tank cars advertising "Standard" products. Suspended in the air, there is a stanavo plane, self-propelled, which circles continuously above the moving train and automobiles.

Those who will attend are: Eldridge H. Arrington, lubrication salesman; Harry H. Arrington, lubrication salesman; J. P. Lear, lubrication salesman; John H. Young, Jr., lubrication engineer, all of the Charleston, S. C., branch. A. D. Willis, Jr., lubrication salesman, of the Charlotte, N. C., branch. W. D. Barrett, lubrication sales manager of the Charleston, S. C., branch will also attend this Exposition.

The Fairbanks, Morse & Co., Chicago, exhibit will include an all-metal suspended platform warehouse dial scale with large area platform; a cotton lap dial scale; a platform counter cloth scale; a portable platform dial scale; a portable platform beam scale; a parcel-post computing scale; an agate-bearing even-balance scale; a "Precision" counter scale.

Their representatives will include J. F. Ahern, J. M. Spinks, J. R. Kindig, H. M. Stoffregen and R. A. Merritt.



# FOSTER

## Cone Warping



Foster Winding and Warping, Proximity Mfg. Co., Greensboro, N. C.

WEAVING MILLS—CONSIDER THE CONE PACKAGE. It is the vital basic element in the success of High Speed Warping. No other Warper supply equals the Foster Cone in yardage or in unvarying tension from start to finish regardless of Warping speed.

Improvement in quality of woven goods and lowered cost in Weaving, Slashing and Warping traces back to the Cone package.

*The Foster System of Cone Winding and Cone Warping will be shown in operation at the Textile Exposition, Greenville, S. C., October 20th-25th.*

# Foster Machine Co.

Westfield, Mass.

John Hill, Southern Representative, Healey Bldg., Atlanta, Ga.



**Even Humidity**  
with minimum attention

*Edwards Manufacturing Co.*

*Augusta, Maine*

December 27, 1929.

Parks-Cramer Company,

Fitchburg, Mass.

Gentlemen,

Attn. Mr. R. E. Dorr  
Asst. Advertising Manager

Since equipping our mills two years ago with Parks-Cramer Turbo and High Duty Heads and automatic humidity control in conjunction with a heat control, which we had previously installed, we believe we have an ideal equipment. We have practically even humidity throughout our plant with a minimum amount of attention. Before installing your controls we were continually bothered with our rooms being either too dry and the work running poorly or too wet with condensation dripping from the ceiling and pipes. We now have neither of these troubles. Our cloth weights and yarn numbers run even and we get a proper regain which in itself is a considerable saving.

Yours truly,

MOD/J

*William L. Dean* Agent.

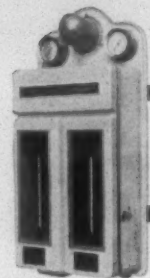
## Parks-Cramer Company

FITCHBURG, MASS.

CHARLOTTE, N. C.

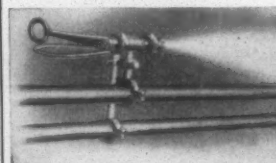
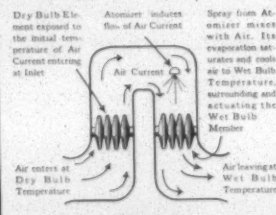
CANADA: Parks-Cramer Westaway Co., Ltd., Main and McNab, Hamilton, Ont.; 455 Craig West, Montreal, P. Q.  
CHINA: Elbrook, Inc., Shanghai; Pekin: Tientsin. GREAT BRITAIN, IRELAND: Cook & Co., Manchester, Ltd., 18, Exchange Street, Manchester, England. CONTINENTAL EUROPE: Compagnie Ingersoll-Rand, Paris, France. INDIA: Ingersoll-Rand of India Ltd., Bombay, Calcutta. MEXICO: Sr. Don Fernando Caraves, Apartado 1100, Mexico City.

**Parks-Cramer Company**  
is the only manufacturer of every type of device



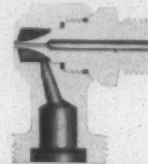
### **Psychrostat\***

A wet and dry bulb principle humidity regulator. Dependably calibrated. Will not get out of adjustment. Rigidly constructed. Easily cleaned. Relative humidity continuously indicated by wet and dry bulb thermometers. No wicks. Standard in testing rooms and laboratories.



### **\*Turbo Humidifier**

Uses compressed air at low pressure and water under no pressure. Exclusive centrifugal jet feature improves quality of spray and reduces amount of air used. Head contains no moving parts, is of simple construction, easy to keep clean. No water damage if head stops accidentally.

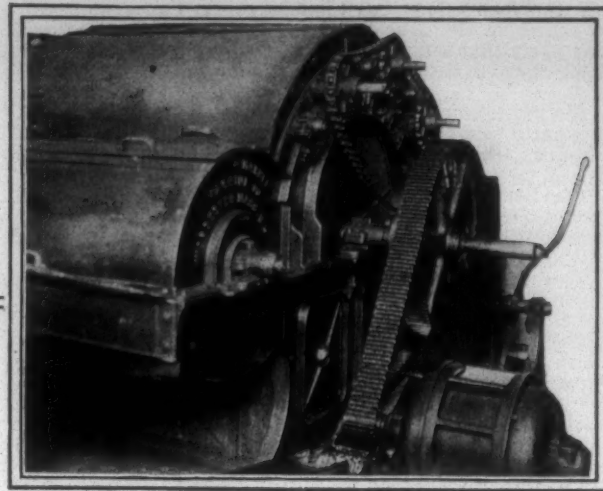


Cross-sectional view Turbo Humidifier. Two parts only. No adjustments.

\*Registered Trade Name

**ADEQUATE HUMIDITY — ACCURATELY CONTROLLED**





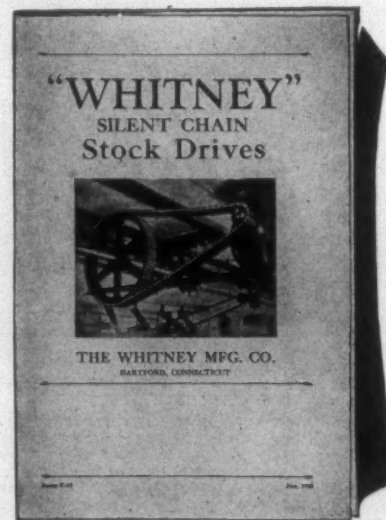
# The Dependable

## WHITNEY Silent Chain Drives

are now available from stock.

The complete drive, chain and sprockets, for Horse Powers  $\frac{1}{4}$  to 40 at various speeds, is specified for you in our new booklet. (*Whitney Stock Drives* will also transmit up to 62 H. P. at certain definite speeds.) ¶ Use *Whitney Stock Drives* and avoid delay in putting your equipment to work. ¶ Do this and *Whitney Reliability* will do the rest. Positive, economical power transmission and uniform increased production go with *Whitney Silent Chains*.

The Whitney Manufacturing Company  
Hartford Connecticut



You should have this Booklet. Tear out this coupon. Sign and mail to us.

THE WHITNEY MFG. CO., Hartford, Conn.

Please send us Booklet V.-92 (S.T.B.)

Name \_\_\_\_\_

Address \_\_\_\_\_

#### SALES AND ENGINEERING OFFICES

<b>BOSTON</b> The Whitney Mfg. Co. 250 Stuart St.	<b>NEW YORK</b> L. C. Biglow & Co., Inc. 250 W. 54th St.
<b>BUFFALO</b> Potter & Dugan, Inc. Agents 1887 Elmwood Ave. Bufford & Francis Belting Co.—Distributors Pearl St.	<b>PHILADELPHIA</b> The Whitney Mfg. Co. 133 So. 36th St. Philadelphia Gear Works Erie Ave. and G St.
<b>CHICAGO</b> The Whitney Mfg. Co. 549 W. Washington Blvd.	<b>PITTSBURGH</b> Pittsburgh Gear & Mach. Co. 27th and Smallman Sts.
<b>CLEVELAND</b> Smith Power Transmission Co. 1213 W. Third St.	<b>PORTLAND, ORE.</b> A. H. Coates Co. Kenneth B. Hall, Representative 355 Everett St.
<b>DETROIT</b> The Whitney Mfg. Co. 2-240 General Motors Bldg.	<b>SAN FRANCISCO</b> A. H. Coates Co. 615 Howard St.
<b>GASTONIA, N. C.</b> Precision Gear & Machine Co., Inc.	<b>SEATTLE</b> Berg-Evans Chain Co. 1743 First Ave. So.
<b>LOS ANGELES</b> A. M. Coates Co. 2011 Santa Fe Ave.	<b>SYRACUSE</b> George McPherson 281 Norwood Ave.
	<b>WICHITA FALLS, TEX.</b> Grover C. Johnson 409 Seventh St.

## WHITNEY SILENT AND ROLLER CHAIN DRIVES

## Exhibits at Textile Exposition

T. B. Wood's Sons Co., Chambersburg, Pa., exhibit will be shown in the space occupied by The McLeod Stores. It is likely that Charles E. Bailey, sales engineer, and Guy Washinger, assistant sales manager, will be in attendance.

The material shown will consist of motor pulleys, U. G. automatic belt contactors for short center drives, flexible couplings, line shafting and countershafts, and a general line of power transmission machinery.

The Economy Engineering Co., Chicago, will have on exhibit the Little Lifter Telescope, which is a portable electric lift for stacking cotton bales, boom beams, cases of finished goods, barrels and drums of chemicals, etc.

Representatives in attendance will be George P. Davis, 301 Builders Building, Charlotte, N. C., and R. S. Kerr, 510 Forsyth Building, Atlanta, Ga.

The H. H. Robertson Co., in Booth A-135, will exhibit many types of industrial building materials.

One of their products is Robertson Protected Metal, a corrugated roofing and siding sheet. It consists of a steel sheet protected from rust and corrosion by layers of special Robertson asphalt, asbestos felt impregnated with asphalt, and a heavy waterproof envelope.

The third product shown by the Robertson Company is their glazing construction. This type of construction has many interesting structural details. Skylights of any type, side wall sash, monitor sash, operating or fixed type

New Single Beater Finisher Lapper fitted with Ramsdell automatic self doffing calender, which automatically removes the completed lap, places the new lap roll in the calender plates, carefully folds over the lap and lowers the lap racks, and applies the brake, in other words, gives continuous operation from starting up to shutting down time.

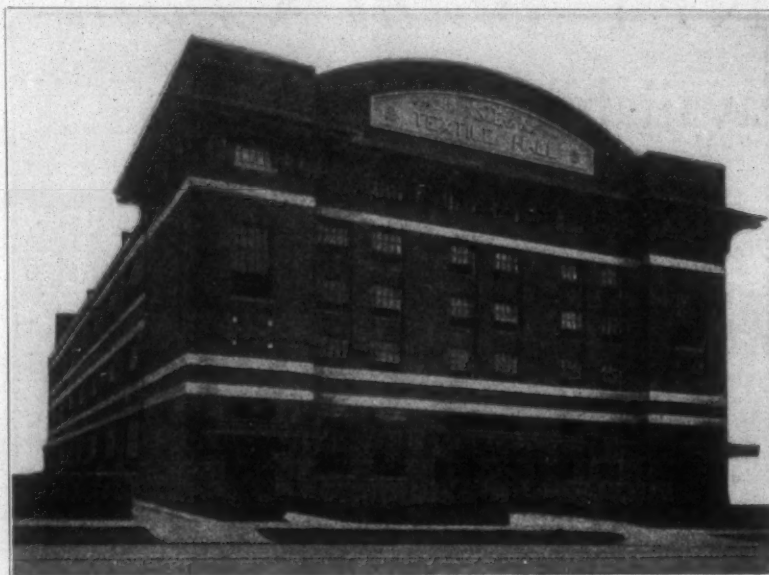
Standard Model Spinning Frame, 48 spindles, 3¼-inch gauge, fitted with H & B high draft system.

New 1930 Ring Spinning Frame, 60 spindles, 3½-inch gauge, especially designed to give increased stability at the highest possible speeds and contains many new and model features, including spindle rails, cylinder bearings, ring rails, builder motion, gearing arrangement, oiling system and creel.

The Keystone Lubricating Co., Philadelphia, plan to exhibit lubricating greases and equipment for the application thereof, to textile machinery.

Their representatives at the show will be Karl Kologiski, Jr., Charlotte, N. C., and J. H. Yerkes, Southern sales manager.

The Philadelphia Drying Machinery Co. will exhibit at Booth 131, the latest developments in modern cost-saving machinery, including "Hurricane" electrically heated hosiery drying forms; a combination dryer for skein yarns, Franklin packages and cones; a "Hurricane" vacuum ex-



TEXTILE HALL, GREENVILLE, S. C.

—all are designed on the principle of furnishing a corrosion-resistant glazing construction which eliminates maintenance and gives years of care-free service.

Members of the Robertson Company who will be in attendance during the Textile Exposition are: Yeatman Anderson, district manager for South Carolina and Georgia; F. C. Russell, sales promotion manager; A. R. Gray, sales promotion department; B. P. Slutes, manager of the Baltimore district.

The American Multigraph Sales Co., Cleveland, Ohio, will probably exhibit the entire line of Multigraph equipment. This exhibit will be in charge of their Atlanta, Ga., division manager, E. L. Elliott, assisted by H. B. Sweeney, local representative at Charlotte, N. C.

The Signode Steel Strapping Co., Chicago, will occupy Booth No. 240.

This firm will exhibit its Signode Bale Ties and the equipment with which the bales are tied and sealed. There are some features of this system that should be of particular interest to those responsible for the handling and shipping of textiles.

Those who will represent the Signode Steel Strapping Co. at this exhibit are: O. B. Shelton, W. F. Shelton, local representatives, and E. C. Pagel, district sales manager.

H & B American Machine Co., Pawtucket, R. I., have taken Booth A-137 in the Annex, and will exhibit the following machinery:

tractor, the modern machine for removing excess moisture; and an automatic loop dryer for piece goods. These machines will be exhibited in operation.

Other equipment manufactured by the company, "Hurricane" Dryers for raw stock, hosiery, underwear and towel, will be shown by means of large photographs of installations in progressive plants.

Still other photographs will illustrate the use of "Hurricane" drying and finishing machinery for silk, rayon and cotton piece goods; the "Hurricane" automatic loop dryer being used for this work.

Ashworth Bros., Inc., Charlotte, will show a card clothing machine in operation and a full line of samples. Several officials from the head office will be present at the booth, which will be in charge of E. H. Isenhour, Southern agent.

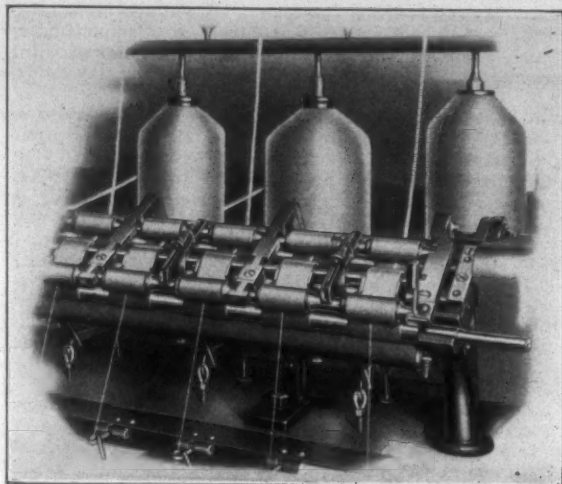
J. E. Sirrine & Co., Greenville, engineers, will have a space furnished for the convenience of their guests. G. P. Patterson will be in charge and several other representatives will attend.

Rockweave Mills, Division Callaway Mills, LaGrange, Ga., will occupy spaces A-59 and 60. They will have a display of the principal types of canvas baskets and trucks used by the textile trade. At the booth will be T. B. Moncrief, assistant sales manager, and for a portion of the time the superintendent of their plant, J. H. Dough-drill.



# CASABLANCAS . . . .

## A true long draft system

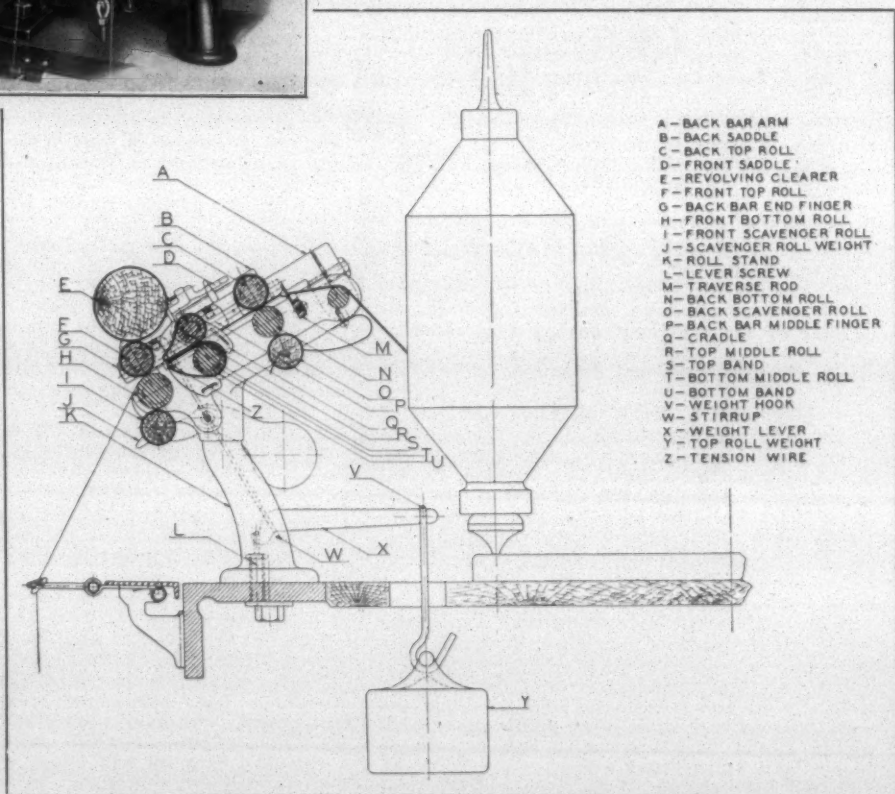


Drafts of 18 to 25, and sometimes higher, are obtained with fewer parts, less installation cost, and more simply by the Whitin-Casablancas than by other long draft systems.

New improvements to be noted are—a new cradle which is clean, simple, positively guiding the bands; wide bands permitting full traverse of the roving; and wider spacing of the back and middle rolls permitting the most effective break draft.

Whitin engineers and Whitin service are now at your disposal when this superior system is installed by a mill. The

advantages to be gained by use of the Casablancas Long Draft System should be yours.



### WHITIN MACHINE WORKS

WHITINSVILLE . . . MASSACHUSETTS, U. S. A.

CHARLOTTE, N. C.

ATLANTA, GA.

## Exhibits at Textile Exposition

Allen-Bradley Co., Milwaukee, Wis., will show a general line of control apparatus particularly adapted for textile mill service. They will also exhibit a new line of loom switches and recent developments in overload breaker protection for small motors.

The following men will attend: E. F. Loock, general manager; L. Matthias, director of research; A. J. Dawe, assistant chief engineer; E. H. Gilliam, Charlotte representative; R. Bowditch, Knoxville representative, and P. C. Ausley, Atlanta representative.

Platt's Metallic Card Clothing Co., Lexington, N. C., will display one card with Platt's patented metallic card clothing and also an automatic stop motion and other improvements. The company will be represented by Francis L. Hill, of Lexington, United States agent; W. J. Wilbanks, of Greenville, S. C., and W. F. Stegall, salesman for the South Carolina territory.

The Standard Chemical Products, Inc., Hoboken, N. J., will have on display at Booths 28, 29 and 30 a complete line of Alfred Suter's testing machinery, Emerson conditioning ovens, and a new Webb-Suter duplex fibre sorter, which is a cotton stapling device.

Those who are to attend are L. L. Grombachton, Hoboken, N. J., S. M. Staunton, New York, and Max Einstein, Southern representative, of Charlotte.

R. S. Armstrong & Bro. Co., Atlanta, Ga., will be located at Booth No. 129 and their exhibit will consist of machine shop equipment comprising a Gould & Eberhardt 18-H gear hobbing machine, 16 inches by 8 foot Sidney tritrol geared head engine lathe, and No. 2 Davis internal keyseating machine.

They will be represented at the show by the following: E. F. Chandler, L. B. Jones, B. F. Tant and A. E. Foster.

Texwood Mfg. & Sales Co., Inc., Greenville, S. C., exhibit will be confined to the display of wooden or partly wooden supplies for the textile trade.

In addition to all kinds of bobbins, spools, skewers, dowels, rolls, shells, picker sticks, underclearers and general wooden supplies will be shown new and improved wooden items.

The main attraction will be a spinning frame running without the use of oil on saddles, cap bar fingers, front steel rolls and spindle bolster.

Also oilless bearings for many other textile machines and many of these bearings have been running in Southern mills a year or more without having been oiled or greased.

W. N. King, vice-president and treasurer, will be in charge.

The Merrow Machine Co., Hartford, Conn., makers of high speed trimming and overseaming, overedging, plain crochet and shell stitch machines, will occupy Space No. 217. Among the models to be shown in operation, special attention is invited to styles 60ABB and 60D3B for joining ends of piece goods in flat butted seams to facilitate subsequent processing. Economies heretofore believed impossible are being realized through the use of these machines and they are rapidly becoming standard equipment for processing work. Other machines, of particular interest to rayon underwear manufacturers, are styles 60JDC and 60HD-1, for seaming and blind stitch hemming respectively.

Their exhibit will also include machines designed for a wide variety of plain and ornamental edge finishing, and seaming operations on such articles as pillow cases, bedspreads, wiping cloths, blankets, house dresses, aprons and underwear, both knitted and woven.

The exhibit will be in charge of the company's resident sales engineers—E. W. Hollister, of Charlotte, and R. B. Moreland, of Atlanta, and it is expected that representatives from the Hartford office will attend.

A cordial invitation is extended to textile manufacturers to use the company's booth as headquarters during the show.

Consolidated Ashcroft Hancock Co., Inc., Bridgeport, Conn., display will consist of instruments to determine factors of pressure, temperature and speed as applied to the textile industry. Indicating and recording thermometers; indicating and recording gauges, and indicating and recording tachometers, together with a line of hand tachometers for ready and convenient use throughout the textile mill will be exhibited. There will also be shown high pressure safety valves for the steam power plant and a line of Hancock globe valves.

Hancock valves have been used extensively for high pressure power plant service for a great many years.

Recently they have entered the industrial field for use on applications where ordinary valves deteriorate rapidly. The Cone seat and disc valves which are the most important of this particular line provide a straight line throttling effect. In other words, for each turn of the hand wheel, a directly proportionate increase or decrease in the flow through the valve is effected. Due to the seat and disc construction, they remain tight long after similar valves are thrown out of service. They are not commercial valves in that no attempt is made to enter them into competition with the ordinary inexpensive globe valve.

Both Messrs. Neel and McCabe will be in attendance.

Durant Manufacturing Company, Milwaukee, Wis., will have Booth No. A27, and in addition to Productimeter loom pick counters will have on display a complete line of counting and measuring devices for the textile industry.

Their booth will be in charge of George P. Davis, of Charlotte, N. C., and their president, Mr. Winkler, will be in attendance there also during the entire week.

Jenkins Bros., New York, Booths 53 and 54 are to exhibit a complete line of bronze and iron body valves in standard, medium and extra heavy patterns. Two new series of valves are prominently displayed. These are: the new standard bronze globe, angle, cross and check valves, with the one-piece screw-over bonnet and the slip-on stay-on disc holder, which combination is a new departure in bronze valve design; and the iron body, double disc, parallel seat gate valves made in standard and extra heavy patterns, both with outside screw and yoke, and inside screw.

A modernistically designed wall panel forms a picturesque background for this exhibit of valves.

James M. Martin and M. G. Driscoll, salesmen, will be in attendance at the booths.

Sherwin-Williams Co., Philadelphia, Pa., will consist of a demonstration by signs of two of their standard products, which are: S-W Save-Lite mill whites for interior mill painting and S-W mill village paint for mill and village exterior. The following resident representatives will be in attendance: Emmet H. Stegar, Charlotte, N. C.; H. S. Blizzard, Greenville, S. C.; Bruce B. Cosden, Asheville, N. C., and Robert B. Olney, Spartanburg, S. C. G. L. Hehl, superintendent of manufacturing, Plant No. 4, Newark, N. J., and A. K. Kennedy, manager textile department, South Atlantic District from Philadelphia, Pa., will also be present. The number of their booth is A-1 and 2 in the annex.

Lambeth Rope Corp., New Bedford, Mass., and Charlotte, will show spinning tapes, twister tapes and banding in the Booth A-3. A. L. O'Leary, treasurer and Frank Burke, Southern manager, will be in attendance.

Firth-Smith Co., Boston, Mass., in Booth 213 will show latest developments in automatic cleaning of ceilings, machinery, walls, and floors by both directed and controlled air pressure, and staggered vacuum systems. Special features to be emphasized include working demonstration of the traveling bunchless automatic cleaner. Individual type automatic cleaning air distributors for slubbers through to warpers, underwear knitting machines, etc., will be among the new products on exhibit. W. J. Smith, O. W. Schlums and W. B. Walker will represent the company.

Veeder-Root, Inc., Hartford, Conn., will exhibit at Booth No. 220. They will show in addition to their regular instruments, yardage, braider, knitting, hosiery, high speed and measuring wheel counting devices.

Running exhibits will show in operation their regular non-resetting pick counters as well as the Tanner type re-setting counters which were shown for the first time at the Textile Show in Boston last spring. These instruments are arranged for one, two or three shift operation, as the trip-total pick counter, especially designed and as the trip-total pick counter, especially designed and built for one-shift operation, as is being so broadly discussed at the present time. This counter, virtually a loom speedometer, has all the advantages of every pick counter that has ever been built and will be of interest to every mill executive.

Their exhibit will be in charge of W. A. Kennedy of the Southern offices. There will also be in attendance: Sterling Graydon, W. S. Anderson, F. W. Warrington, H. B. Curtis, of Charlotte; and Graham H. Anthony, vice-president and general manager, J. H. Chaplin, sales manager, and A. E. Kallinich, field sales manager, from Hartford.

(Continued on Page 58)



*At booths*

311

312

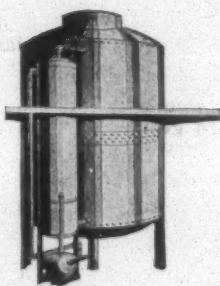
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# Textile Export Association of United States \*

BY FLOYD W. JEFFERSON

President, Iselin-Jefferson Company, New York

**Y**OUR committee has asked me to tell you something about the Textile Export Association of the United States.

We must give credit to Walker D. Hines, George Sloan and F. A. Colt of the Cotton-Textile Institute for stirring up to action, and to the officers of the Converters Association and if the Association of Cotton Textile Merchants for carrying through.

The Webb-Pomerene Act is a provision of our law which permits industry to form associations for making trade agreements pertaining to foreign trade. The nature of these agreements may be of that type which is prohibited by the Sherman law in respect to domestic trade relations.

## FORMATION OF ORGANIZATIONS

The Textile Export Association, a corporation formed under the requirements of the Webb-Pomerene Act, came into existence last July through the signature of eighteen representative New York firms. The membership was rapidly increased and at the present time the participating firms control the distribution of approximately eighty-five per cent of all the cotton textiles which are now being exported by the United States.

Within the organization, we plan eventually to have a price committee, a terms committee, a credit exchange committee and a statistical committee.

It is certain that internal price cutting and severe competition among American firms themselves have been a greater handicap to trade expansion in textiles than international competition.

## EXPORT TRADE EVILS

One of the evils of our export trade has been the trading in terms. It has not been unusual for firms to extend one hundred and eighty days dating. It is true that these terms in some instances have been necessary in order to compete with England, Germany, Italy and other European nations, but the merchants and bankers of those countries are not anxious to engage in a prolonged terms war with the United States.

It has been the war in Worth Street that has accentuated this condition and when Worth Street standardizes its terms it is probable that the rest of the world will welcome it and follow suit.

Through the Textile Export Association we can legally come together, compare prices, terms, credit and volume, and cut our cloth according to our needs.

## OPPORTUNITY FOR EXPORT TRADE

The Textile Export Association of the United States extends to each member of this association a hearty invitation to join the group.

If we can convince you textile manufacturers that there is a real opportunity for you to find a new market for a considerable percentage of your product in foreign fields, I am sure that you are going to do something about it.

The markets exist. The Bureau of Foreign and Domestic Commerce has been telling up this for many years but we have been slow to grasp our opportunities. We exported \$770,000,000 of cotton in 1929, and only one-tenth that amount of cotton cloth. Our foreign sales are pitifully small, and it is merely because we have been

apathetic toward these tremendous outlets and have not gone to the trouble and expense of capturing them.

I expect that you can count on the fingers of your two hands all of the members of this association that have any direct export contacts, and yet most of the mills represented in this organization make something that can be sold abroad.

## WHAT OTHER INDUSTRIES ARE DOING

Other industries have become awakened. They realize that credit risks are not unduly hazardous and that means can easily be found to invoice and prepare necessary papers for foreign clearances, shipping and collection.

They realize that the passage of the Jones-White Merchant Marine Act in 1928 has given fresh impetus to American ship building and they believe in the maxim that trade follows the flag.

They realize that American bankers have established branches in important cities of the world, and that this will continue to be of inestimable advantage to our merchants who are seeking to develop export markets.

They realize that American universities are now offering courses to train students in the technique of foreign trade, thus building in this country an educated and dependable personnel.

They realize that with the continued industrialization of the United States that we cannot maintain a spirit of aloofness toward the markets of the world, and that we must study the problem of foreign distribution to take care of the surplus of our manufacture.

They realize that the radio, the cable, fast ocean liners, the airplane, automobiles and new highways, moving and talking pictures have reduced distance in terms of contact and time.

If other industries have realized all of these things, and have taken advantage of them to broaden their activities, is it not time for the textile manufacturers of this country to study this important question of export?

## TEXTILES NEED NEW OUTLETS

Surely no industry has ever stood in more crying need of additional outlets. In spite of that, the export divisions are frequently the targets for unceasing sharp-shooting by mill men, by credit men, and even by their colleagues in other branches under the same roof. These export departments are dealing with people abroad of admittedly difficult and sensitive nature, speaking foreign languages, negotiating over great distances where the answers to complex questions cannot be secured in a week or day. They are beset frequently with troubles over tariffs, shipping or credits of which the domestic sales manager is ignorant and the details of which he is utterly incapable of handling. They are doing all this not as a fad or an experiment but because an over-produced industry such as ours, if it is to feed, clothe and shelter the half million people and their dependents engaged in it, needs to export every yard that foreign trade will absorb.

It is somewhat more hazardous to engage in export than in domestic business and it is considerably more expensive. Still some direct profit can be made and additional indirect profit accrues through broader distribution. Export markets can relieve domestic markets of the burden of surplus yardage. There they are, take

(Continued on Page 38)

\*Address before meeting of National Association of Cotton Manufacturers.



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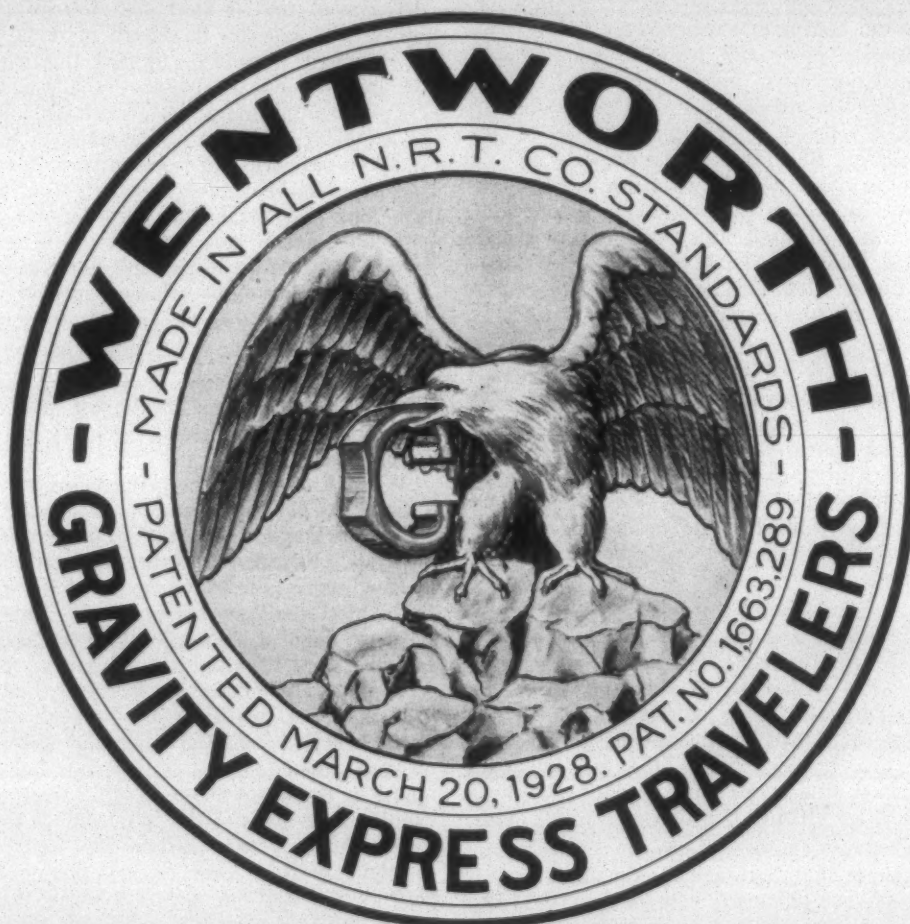
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*Southern Office:*

31 West First St., Charlotte, N. C.—Roy S. Clemons, In Charge

## Textile Export Association of United States

(Continued from Page 36)

them or leave them, but in the taking don't add to the problems of your export department by injecting into the business unreasonable fears, doubts and misinformation.

James A. Farrell said, "Those who need raw materials search the markets of the world to secure them, thus demand for selling effort is minimized by the activity of the buyer, but in the case of the products of manufacture, the initiative must be on the part of the seller. This calls for enterprise and skill in merchandising."

Unfortunately, however, most of our cotton mills have never searched out consumer markets even in this country. The majority have sold in loom state through broker or commission house to converter, and the converter has reached the ultimate domestic buyer, but few converters have developed export trade, and few of them even now are willing to undertake the expense and risk of that kind of development, and yet those markets must be opened if we are to sell the production of our mills.

In 1929 the total of United States exports was \$4,250,000,000, and the total exports of cotton cloth was only \$70,000,000. Cotton cloth constituted less than two per cent of our country's total exports.

In 1929 the export of manufactured articles by the United States far exceeded shipments of raw material, sixty-three per cent being manufactures but in the realm of cotton goods we are lagging far behind, exporting ten times as much raw cotton as cotton cloth. The reason for this is our lack of proper distributive agencies. Intelligent, efficient, modern methods to create demand must be used to develop sales abroad and similar methods employed in domestic distribution would be rewarded by increased business.

### ADVERTISING

The cotton industry as a whole has not ranked high in its expenditure in advertising, but in our struggle for business overseas we shall have to alter this viewpoint. It is easy to waste advertising dollars at home: it is equally easy to do so abroad but the necessity for getting a firm's name and product before the foreign buyer exists, and salesmen or agencies must be supported by a certain amount of advertising if progress is to be made.

### FOREIGN TRADE CONDITIONS

Economists believe that Europe will gain trade ascendancy in Africa and that Japan will control the Orient and that Latin America is the logical market for our export development.

If that is true, our ambassadors and consuls and our trade representatives should know the history of Latin America, and should understand the temperament, customs and requirements of these neighbors, and should be able to speak Spanish, French and German. They should understand the political and cultural conditions of these Southern countries "for nothing jars the Latin American more than the effrontery of ignorance sometimes displayed by visitors from the North," and above all, our foreign representatives should feel and show that friendliness which is so necessary to create in the minds of our neighbors a desire to enter into commercial relations with us.

"Good business depends on good relations, and good relations require sympathetic understanding, appreciation and tolerance."

We recognize that the problem for the individual mill is a difficult one, especially so if a manufacturer is selling only loom state, unfinished goods because our foreign

markets, especially Latin American, want cloth which is ready for actual consumption.

### LACK OF EXPORT CONTACT

The trouble has been that your customers, principally the converters, have had very little direct export contact. There are important exceptions but the converting trade as such, and by and large, has bought your goods for resale in the finished state to customers within the borders of the United States, and we manufacturers have made more cloth than the converters can distribute without extending their market abroad.

The establishment of an efficient export selling organization is an expensive procedure. It requires managers who are linguists and diplomats; it requires a credit department that is alert and well informed; it requires offices and agencies in foreign markets, and unless there is sufficient volume to support this expense the export department falls of its own weight. It takes time to create an efficient export department, and it takes time to establish the name of the seller in foreign fields, and it takes patience and perseverance to get our share of the business in competition with Continental merchants who have been established for hundreds of years.

I am pointing out some of the difficulties but I am telling you nevertheless that your goods can be sold abroad in tremendous volume, especially in Latin America, and I believe that the United States will find the way.

### EXPORT TRADE NEEDS GROUP ACTION

Acknowledging the difficulties of individual action on the part of any except the largest mills, I maintain that export for us in the textile industry must come through group action.

When I am given the privilege of speaking on export, I have the world to ramble over which ought to give me ample latitude, and with your permission I am going to stray a little from my text and talk about groups.

How many times have we heard the question—"What is the matter with cotton textiles?" and how many times have we failed to hear an answer satisfying those manufacturers and distributors of textiles who have suffered from unusually distressing business conditions?

It does not suffice to attribute all of the trouble to overproduction and then damn the mill owners who keep on overproducing, and it does not help to lay all the blame at the doors of the Worth Street commission merchants, or to criticize the judgment of the New England mill treasurers who accept the best offers available through the New York cloth broker, nor is the malady entirely a mental one although wrong thinking has played its part. It is undoubtedly true that the attitude of those within the industry toward their own business has accentuated the difficulties with which they have been confronted.

All of these things and some other factors may be contributory causes to our failure to realize adequate profits but the important question and the one that must be satisfactorily answered before our business becomes sound is—"What are we going to do about it?"

### TEXTILE TROUBLES ANALYZED

The trouble lies at the manufacturing and primary distributing end of the business, and is unquestionably attributable to the lack of complete co-ordination between the two. Statistics compiled from a representative cross section of the industry show that during these so-called depression years since 1927 we have made only 1.7 per cent more cloth than we have shipped to our customers, and yet the small unfavorable balance against us has resulted in severe demoralization. With all of this demand manufacturers have failed to realize fair market value, and distributors have spent more to obtain orders



than they have been paid for their labor. Manufacturers, brokers, converters and commission houses alike have magnified their burden by heralding their adversity to the world.

They have decried their own business to such an extent that they have lost the confidence and support of the banks. They have expressed their distrust in their fellow manufacturers so loudly that they have succeeded in discrediting themselves as being part of a disorganized group.

They have criticized their selling agents and brokers to a point where the world questions whether the form of distribution prevailing throughout the industry is fundamentally sound.

They have admitted overproduction and have assembled and published statistics advertising to the buyer the extent of their folly, and yet they have willfully persisted in following the same course and have stubbornly refused to donate a fraction of a cent or to spend a penny for advertising, traveling or development to stimulate foreign interest, suffering in the meantime the loss of many cents per yard through decline in domestic prices generally attributed to accumulation.

"What an indictment against our industry!" But "what are we going to do about it," and whom do we mean by "they?"

Let us analyze the pronoun "They." Herein may lie the answer. We hear it on all sides;—"They are over-producing;" "They are running at night;" "They are underquoting;" "They are exploiting labor." We know that these references apply to the manufacturers and to the primary distributors but the trouble is that "they" are not a unit. We use the term as if "they" referred to a group, but there is no group and that is just why nothing has been done about it.

The "They" of the cotton textile industry is a disorganized, heterogeneous lot of producers and sellers who are completely at the mercy of the well conceived, well organized groups who buy the product and pass it along in orderly fashion to the ultimate consumer who is glad to get it and who is willing to pay a fair price for it.

Now "What are we going to do about it?"

#### TEXTILES A PERMANENT INDUSTRY

First let us change the mental attitude. There is no disposition to discontinue the use of cotton cloth; the cotton mills of this country are well equipped with the finest textile machinery in the world, and they are efficiently operated, and there are few extravagances of management, and there is a minimum of waste either in raw material or labor.

They are producing merchandise which does not rot, corrode, rust or evaporate, and which is always useable and saleable. We do not have to create a demand for demand exists. There are ample markets, domestic and foreign to consume tremendous volume. But we face two major problems—first, budgeted control of production; and second, intelligent, orderly distribution domestic and foreign, and the reason that these two elements are not co-ordinated is because "they" are not operating under unit control.

To those who accomplish it in the proper way, the manufacture and distribution of cotton textiles can and will return the same percentage of profit that rewards the outstanding manufacturers and sellers in other important lines of endeavor.

But "What are we going to do about it?"

#### MERGERS

There was never a more opportune time for the entrance of large capital into a field which is basic and which is sure to survive, and which will yield rich returns

to those who can control production and accomplish distribution upon a basis that provides fair return for the cost of merchandising. The surest way out of present disorder is to point out to large capital the inherent soundness of our business, and then look to that source to control the industry and take from it, with the assistance of our best brains, the golden reward which will follow that control.

We are looking to Wall Street to save us, but we are watching for the day when some New England, New York or Southern financial interests or a combination of them will realize the vast money making possibilities in an industry that has withstood battering and buffeting, and which, in spite of all, has managed to keep its head in the air.

A merger of this kind is not so gigantic as many that have been formed in other industries around competent leaders.

The entire cotton textile product of the United States is estimated at one and a half billion dollars. There are twenty selling agencies in Worth Street whose combined volume is five hundred million, and there are twenty direct selling Eastern and Southern mill units whose volume would equal that of the twenty commission houses.

If these important units were realigned so that there would come into existence counterparts of the United States Steel Corporation and of the Bethlehem Steel Company, and if the participating interests were permitted to exchange, on a fair basis, their present securities for stock in well organized holding companies, the results would be astounding.

The large capitalistic combination which first senses the true condition and which gathers into such a group or groupings the best mills and the best brains in Worth Street, New England and the South will reap a rich harvest, and in the reaping, will stabilize and put into its proper place in the sun one of the world's largest and most necessary industries.

I have taken the space allotted to me to talk more of mergers than of export. One of the reasons that I have been led thus far afield is because of my belief that we can never realize the full benefit of export markets except through group action.

It would cost the average individual mill to organize for export much more than they could get out of it. With the exception of cloth for the industrial trades goods for export must be sold in the finished state. Most mills are opposed to converting for their own account and few are organized to do it. This requires styling and merchandising ability beyond that of the average mill organization. The converter therefore has a definite and important place in the larger picture.

There are even now some important existing alliances of mill, finisher, converter and selling agency but they must be bigger to be wholly successful and to play their necessary part in stabilization. It is a step in the right direction but some of the pioneers are taking these steps at great risk to themselves because, large as they are, the outside competition is uncontrolled.

The dominating textile manufacturing and selling groups of tomorrow must be under capitalistic control, and must have distributive organizations broad enough to enable them to sell direct to the consumer fabrics finished and ready to cut, and they must embrace export divisions which can sell this type of converted goods to the markets of the world.

A few weeks ago, in speaking before the Institute of Public Affairs, at the University of Virginia, I tried to

(Continued on Page 56)

# EVERYBODY'S BUSINESS

By Floyd Parsons

## New Aims and Viewpoints

**I**F your business is rotten and the outlook seems dreary, let hope be renewed, for there is nothing new or unusual in the present atmosphere of gloom. The widespread pessimism of today is identical with that which prevailed in all the previous periods of industrial depression.

My interviews with the leaders of American business in the fall of 1921 made up a picture that was inky blue. The same men who a year before had ridiculed the idea of a drastic slump in trade had become convinced that the era of hard times which had developed was only in its infancy.

Right now we need three things—a good memory of past events, a fair measure of common sense, and a large amount of pluck. We must remember that our captains of industry have proved themselves wholly unable to call either the top of a boom or the bottom of a depression. They showed a surprising willingness to accept the economic fallacies of last year, and today, are failing to exhibit that brand of courage which kindles hope and sweeps obstacles aside.

The time to be afraid was more than a year ago when the preachers of caution were derided and reckless speculation was evident on every side. In 1921 when the public mind was saturated with pessimism and despondency had brought the same kind of paralysis of effort that exists today, that was the most favorable moment to invest in securities and materials that was offered the public in more than a decade.

At that very instant the statements of economists were dismal. Capital and labor were refusing to co-operate. The outlook in Europe was gloomy. From everywhere came reports showing unrest, dissatisfaction, unemployment and lack of trade. Food supplies were low, and most foreign countries needed large quantities of practically all of life's necessities, but lacked the money to pay for them.

British business was worried by the cancellation of orders received from American interests. The coal strike in England was at its height. Hundreds of factories were closed. Lloyd George suggested to Parliament that emigration might be a patriotic solution of the unemployment problem. France, Switzerland and Italy were facing all sorts of technical and economic difficulties.

The industrial bubble had burst in Spain. Strikes were general and syndicalism was making progress. Even the bank clerks formed a powerful union. The people of Austria were hungry and America was feeding the children. Poland was in dire distress, Bohemia was in bad shape and Hungary had made very little headway in recovering from the effects of the war. Millions were unemployed in Germany, and that country's prime necessities were credit, food and time.

The Chinese situation was unfavorable. The important tea and silk industries were suffering from a depression. There was a famine in the Northern provinces. In Japan the industrial depression was continuing unabated. Bank rates were high and money tight.

Trade was slow in South America. Most of the markets were overstocked. Paraguay was compelled to resort to a moratorium. Brazil's money was depreciated more than 70 per cent, and her rubber industry appeared to be in danger of extinction. Business conditions were very unsatisfactory in Chile and Uruguay, while in Vene-

zuela and Bolivia the situation was nothing less than critical. Canadian business was no less depressed than that in the United States.

Such was the true picture of business throughout the world in the latter part of 1921. With the future seemingly hopeless, commodity prices, bond prices and the stock market all turned upward, and with the exception of a few months of bad business in the middle of 1924 and a shortloved slump in trade near the end of 1927, industrial conditions in America were generally satisfactory until the fall of last year.

History will again repeat itself. Human nature has not been altered. The bargains that appear in times of depression will be picked up by the people who have nerve, faith, patience and memories good enough to recall past experiences.

Wise business men will soon stop waiting for the "other fellow" to do something, and the immediate result will be the manifestation of a new buying spirit. Confidence will revive, and it will be disclosed that our wants and desires have changed but little. Attention will be directed toward producing what people want, rather than turning out what can be manufactured most easily.

Economy has been substituted for extravagance. Corporations have trimmed sails and most of them are strong in cash. Individual efficiency has increased, habitual loafers have been relegated to the sidelines and inventories are at a minimum. The stock market, while still being kicked up and down by professional gamblers, has been liquidated.

The bad news is out. Unfavorable factors have been proclaimed from the housetops. A few people will soon start moving, and supported by the forces of necessity, they will awaken the masses and the business stagnation will end.

Companies that expanded too rapidly have had a year of reorganization. Unprofitable units have been eliminated, waste reduced, costly inventories converted into cash, and the entire machinery of production and distribution adjusted to a program made up of current realities rather than idle hopes and imaginative plans.

Business was not as good as we thought it was last year, and it is not as bad today as most people believe it to be. Car loadings are increasing. Gasoline stocks are down 16,000,000 barrels since the first of April. There are indications that the increase in petroleum supplies this winter will be less than normal. Taking the country as a whole, the average income of the American farmer this year will be better than was generally expected.

In times like the present each bit of good news is regarded with suspicion and the importance of difficulties is emphasized. We are told that Europe is in terrible shape. Socialism is destroying initiative and threatening the stability of private property. The spirit of revolution is abroad. Big banking houses are on the verge of failure. Security loans by member banks of the Federal Reserve System are still only \$800,000,000 below the top figure of a year ago. These and dozens of other disturbing statements are heard daily.

What we seem to forget is that bad news is always with us and can quickly be found when we go looking for it. Calamity generally follows dire forebodings, while a healthy optimism is nearly always the forerunner of

(Continued on Page 44)



# NATIONAL CARBANTHRENE DYES

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NATIONAL CARBANTHRENE PRINTING BLUE GCD DOUBLE  
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We recommend the plug type valves  
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## PERSONAL NEWS

Jack Gibson, from McColl, S. C., has become overseer of carding at the Morgan Mills, Millen, Ga.

J. C. Hood, formerly of Atco, Ga., has been appointed overseer of spinning at the Morgan Mills, Millen, Ga.

Will Anthony is now master mechanic at the Morgan Mills, Millen, Ga.

Segfried S. Wallace, of Narrows, Va., is vice-president of the Mountain Hosiery Mills, Narrows, Va.

Waldemar Wallner, of Pulaski, Va., has become secretary of the Mountain Hosiery Mills, Narrows, Va.

Herbert Saphri, of Brooklyn, N. Y., has been elected president and treasurer of the Mountain Hosiery Corporation, Narrows, Va.

C. A. Davis, assistant superintendent of the Pilot Division, Consolidated Textile Corporation, Raleigh, N. C., attended the American Legion Convention in Boston.

W. G. Reynolds, of Selma, N. C., has accepted the position of superintendent of the Morgan Mills, Millen, Ga.

George E. Glenn, Jr., formerly with the Swift Spinning Mills, Columbus, Ga., has accepted a position with the Pepperell Manufacturing Company, Lindale, Ga.

J. W. McElhannon, agent for the Shelbyville Mills, Shelbyville, Tenn., will hereafter also fill a similar position with the Lowe Manufacturing Company, Huntsville, Ala.

J. F. Faircloth has been appointed superintendent of the Rhodes-Whitener Mills, Inc., formerly the Miller Manufacturing Company, Taylorsville, N. C.

C. W. Lester has resigned his position with the Saratoga-Victory Mills, Albertville, Ala., to become overseer of cloth room at the Seminole Mills, Clearwater, S. C.

Julian H. Myers, who has been in charge of dyeing and shipping at the Paul Knitting Mills, Pulaski, Va., has accepted a position with the Gray Hosiery Mills, Bristol, Va.

J. E. Millis, secretary and treasurer of the Adams-Millis Hosiery Mills, High Point, N. C., has been elected a member of the board of directors of the North Carolina Traffic League.

T. H. Burkhardt has been appointed manager of the Pinehurst Silk Mills, Inc., Hemp, N. C., which was recently purchased by J. Spencer Love, of Burlington, N. C., and associates.

J. L. Brock, instructor in Industrial Education, Clemson College, S. C., has recently returned to the college from George Peabody College for Teachers where he has been taking advanced work as a candidate for a degree of Master of Arts in Industrial Education.

### Thoron Heads National Association

Potlond Springs, Me. — Ward Thoron, recognized authority on tariff and taxation in the cotton industry, was elected president of the National Association of Cotton Manufacturers at its convention here Saturday.



Irving Southworth, agent of Pacific Mills, Lawrence, Mass., and Ernest N. Hood, treasurer of Pequot Mills, Salem, Mass., were elected vice-presidents. C. F. Broughton, treasurer, Wamsutta Mills, New Bedford and Henry G. Nichols, president, Otis Co., New York will represent the Association on the National Council of American Cotton Manufacturers. Directors were elected as follows: Seabury Stanton, Hathaway Mfg. Co., New Bedford; B. H. Bristow Draper, president, Draper Corporation, Hopedale, Mass.; D. F. Edwards, president, Saco-Lowell Shops, Boston; Robert Amory, treasurer, Nashua Mfg. Co., Boston; Dexter Stevens, president, Manville-Jenckes Co., Pawtucket; and David Duncan, Lonsdale Company, Providence, R. I.

### Inverness Mills To Suspend Work

Winston-Salem, N. C.—Inverness Mills, in operation here for the past 20 years, will suspend operations about the last of November, it is announced. W. R. Coggins, superintendent, states he has been ordered to close the mill but has not been advised as to whether the equipment will be dismantled immediately or the plant allowed to stand as it is.

A meeting of the stockholders is to be held at the mill office on Monday, October 20, and it is expected that definite plans will be made known then. The mill has been manufacturing fancy bedspreads and wide sheeting. It employs 150 persons, all of whom, it is understood, will be released upon the closing of the mill.

The plant is owned by Inverness Mills Company, of which M. P. Orr of Anderson, S. C., is president; John L. Gilmer, of Winston-Salem, vice-president, and Georg W. Orr, of Winston-Salem and New York, secretary.

### Exchange Estimate Indicates 31 Per Cent Curtailment

"Average mill margins on standard unfinished goods have about unchanged at the improved levels," it is commented by the New York Cotton Exchange Service. "Mill activity is about the same, with possibly a slight tendency to increase as a result of better cloth business last month.

"The average consumption of cotton per working day in September is estimated to be 16,400 bales, which compares with an average of 23,600 in September of the past five seasons, indicating a curtailment of about 31 per cent. It is in the light of this small production that the reported cloth sales 60 per cent over production last month are to be considered. The large sales of goods last month greatly improved the position of the mills as to stocks and unfilled orders of cloth, but at the close of the month the mills still had an excess of stocks over unfilled orders, equal to 2.33 weeks' production at the current rate.

"These facts indicate why the policy of continued curtailment is still being emphasized in mill circles."

### New Principles of Producing Dull Acetate

New principles underlying the manufacture of cellulose acetate material of any degree of luster are disclosed in English patent 33,504, according to the Rayon Record of Manchester, England.

It now appears possible to produce delustered rayon by spinning an acetone (or other) solution of cellulose acetate containing up to 12 per cent of a wetting-out agent (calculated on the weight of cellulose acetate) by

dry or wet methods and then extracting this agent subsequently by aqueous treatment. For instance, a satisfactory process consists of dry spinning an acetone solution of cellulose acetate containing 1 to 10 per cent of Turkey red oil, and then steaming the resulting filaments, or washing with hot water.

In the wet spinning process the precipitating bath consists of a suitable organic liquid, the wetting-out agent added to the spinning solution being of the type which is insoluble in the precipitating bath; thus soaps of alkali metals are insoluble in petroleum ether and benzene, while ammonium stearate and lithium oleate are insoluble in benzene. After emergence from such an organic bath the threads are washed with hot water. The wetting-out agents found most suitable are sulphonated aromatic and fatty acid compounds.

### Cloth Statistics Justify Advances

"The feature of the print cloth market this week was the call for 39-inch 80x80 4-yard," Woodward, Baldwin & Co. report. "Several million yards were bought for immediate and delivery extending through the balance of the year. While some early sales were made at 7½ cents for November-December shipment, the price was soon advanced to 7½ cents, and the bulk of the business was placed at this figure. Later in the week a considerable yardage was sold at 7½ cents for spots and October delivery, with no goods now available before November.

"The 38½-inch 60x48 6.25s were also in good demand, with 5 cents the firm quotation for spot shipment, and the majority of mills holding at this price for November and December delivery.

"Other numbers of print cloths were quiet—38½-inch 64x60 5.35-yard being held at 5½ cents by first hands, with goods available ½ cent less in second hands. Most mills were holding 39-inch 68x72 4.75s at 6¼ cents, but some were willing to accept 6⅛ cents for delivery through the balance of the year.

"While sheeting and drill prices generally were firm, the market was not very active.

"The Government cotton report, issued Wednesday, was received by the trade quietly, and the subsequent action of the cotton market, together with the statistical position of cotton textiles and the curtailment program, should justify advances in gray goods.

### Three More Mills Join Cotton-Textile Institute

R. L. Stowe has joined the Cotton-Textile Institute for the Chronicle Mills, Belmont, N. C.; D. P. Stowe has joined for the Perfection Spinning Company, Belmont, N. C.; C. E. Neisler has joined for the Neisler Mills, Inc., Kings Mountain, N. C.

### Cotton Seen Safe Buy

J. S. Oliver says:

"During last week's melee, cotton acquitted itself creditably. The wonder is, the bottom did not drop out. But this proves underlying strength exists; also, that selling has been overdone and is virtually exhausted. It's no use to emphasize or reiterate the depressing forces. We know them—everyone else does also. And we contend they are fully discounted, too. In brief, the crisis is past. Always, illogical speculation carries prices to excessive highs or lows. Lately, it was on the downside. In our 30 years' experience we never saw cotton a safer purchase than now.

# When You Visit a Textile Show You Look For PROGRESS

It is with great pride that we present at the Southern Textile Exposition the WASHBURN ROVING SYSTEM.

You will be amazed at the simplicity and economy of our new development which extends Washburn Long Draft to the Carding Department.

The Southern Textile Exposition will present the first opportunity to discuss our new devices with a number of textile executives who are already interested.

Likewise hundreds of satisfied users of Washburn Wood Top Rolls will meet us at the Show, eager to learn the advantages of the Roving System.

We also extend our invitation to all Textile Executives or Overseers of Carding who may be interested in either the Washburn Long Draft Spinning or Roving System.

## THE WASHBURN LINE

also includes

Hi-Speed Warper Beams—Perfection  
Shell Rolls—Kore-Lokt Pin Boards—  
Gudgeon Rolls and other  
Textile Specialties



Since 1878

224-234 N. Water St., New Bedford, Mass.

*Southern Representatives*

Gastonia Comber Needling Co., Gastonia, N. C.

## Everybody's Business

(Continued from Page 40)

prosperity. If the coming years hold promise and hope for civilization, it is especially desirable to forecast that fact, for it is true that the things we most foretell soonest come to pass.

Before the fact has become apparent to us, we will have entered a new era of revived confidence and restored business progress. The scientific marvels of the new period, as usual, will surpass those of all previous times of industrial expansion. New methods, new machines and new materials will change the whole complexion of a hundred existing industries.

Our modern civilization will be built more than ever on laboratory findings. Science and the arts will open new roads. We will revise the air we breathe and the water we drink. Veritable palaces will cruise the seven seas. With the aid of synthetic methods, man will outdo Nature. The radio combined with television will develop a new culture. New ideas will sweep all of the important fields of human activity.

The present sad plight of the farmer will be tremendously relieved. Radio development has put an end to the isolation of the farmer, and the application of engineering to agriculture will rapidly make the production of foodstuffs a profitable business. Only a comparatively few years ago it required six men with sickles to reap and bind one acre of grain in a day. The invention of the cradle multiplied this human productivity by three; the mechanical reaper brought another multiplication by four; and today, with out combined harvester-threshers, it is possible for one man to do what it took a hundred men to accomplish in the old days of hand work. The modern grower of grain can now perform in 45 minutes the same job that once required more than 40 hours.

And the application of mechanical methods to farming has hardly more than commenced. Electric power will do far more than milk a cow, hatch a chick and grind feed for a pig. The output of the average agricultural worker has increased approximately 50 per cent in the past 30 years, and the outlook is for an even more rapid increase in individual efficiency in the decade just commencing.

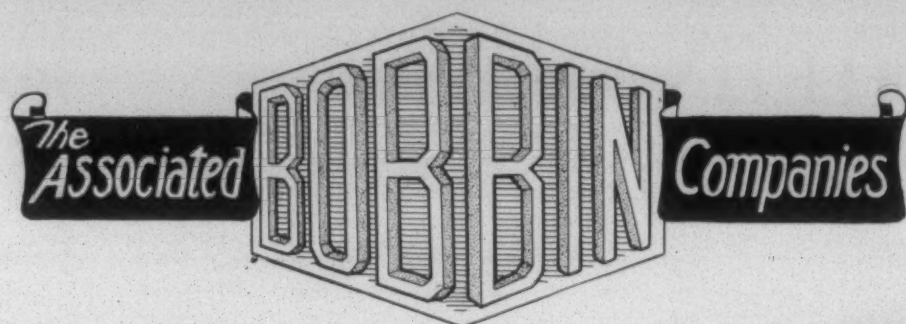
This presents us with the serious problem of diverting hundreds of thousands of farm workers into other lines of activity, but we would be confronted by a ten times greater difficulty if American agriculture had failed to closely match the productive feats of our factories and railroads. Electric power with the aid of chemistry is succeeding in developing a technical equality between agriculture and manufacturing, a development that is vital to a soundly-established prosperity.

Plant diseases cost the United States a billion and a half dollars yearly. Our wheat crop is reduced about 97,000,000 bushels a year, corn 270,000,000, and potatoes 95,000,000 by diseases of one kind or another. The banana, rubber, coffee and cocoa industries of the tropics suffer staggering losses annually as a result of rusts, smuts and root rots. Here again are opportunities for our technical minds to effect immense savings.

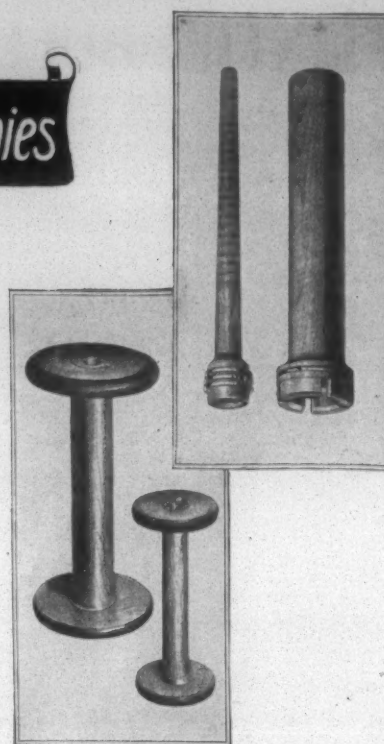
The days ahead will be filled with activity, but they will be dangerous days for those who are unable to foresee the changes that are coming. Aviation has now reached the point where it will expand by leaps and bounds. Aerial ferries will carry us over rivers, lakes and oceans. The helicopter will become a practical reality simplifying travel by planes. Seadromes will connect continents.

Private flying will be inaugurated on a large scale and  
(Continued on Page 52)





## Unsurpassed in Resources and Manufacturing Facilities for production of Bobbins and Spools



It is now possible to obtain not only the benefits of securing your bobbin supply from an unsurpassed source of such supplies but to secure also the full advantage of dealing with a specialist in the particular type of bobbin you require.

### BOWEN - HUNTER BOBBIN CO.

East Corinth, Vermont  
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Cones, Rolls, Skewers*

### VERMONT SPOOL AND BOBBIN CO.

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*Spools of all Types*

### AFFORDING ADVANTAGES NEVER BEFORE AVAILABLE TO THE TEXTILE INDUSTRY

All companies in this coordination of service, are located directly at or close to the source of raw materials for its specialized production. Coordination further provides necessary facilities for utilizing every scientific method and only the choicest of fine materials is assured in each of the combined types of bobbins and spools shipped.

With unsurpassed financial resources, extensive supplies, strategic plant locations and ability to combine specialized manufacturing with large scale production, a service is provided excelling anything heretofore available to the textile industry. The most complete line of exceptionally high quality bobbins and spools available in any quantity on shortest notice.

*Inquiries or requests for samples of any type may  
be addressed to any of the associated companies.*

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### Southern Representatives

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Greensboro, N. C.

Atlanta Textile Supply Co.,  
Atlanta, Ga.

Greenville Textile Supply Co.,  
Greenville, S. C.

# SOUTHERN TEXTILE BULLETIN

Member of  
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JUNIUS M. SMITH	Business Manager

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Contributions on subjects pertaining to cotton, its manufacture and distribution, are requested. Contributed articles do not necessarily reflect the opinion of the publishers. Items pertaining to new mills, extensions, etc., are solicited.

### Southern Textile Exposition

The ninth Southern Textile Exposition will open at Greenville, S. C., next Monday and promises to equal if not eclipse all of its predecessors.

In 1912, at a meeting of the Board of Governors of the Southern Textile Association, held in the office of the late Alonzo Iler, in Greenville, S. C., David Clark moved that a committee be appointed to see what could be done about holding a textile machinery exposition in the South, similar to that which had been held in Mechanics' Hall in Boston, Mass.

A committee consisting of W. M. Sherard, chairman, David Clark and E. E. Bowen were appointed with authority to act in case they decided that such a show could be held.

Charlotte, Atlanta and Greenville were considered but while the first two named did not show much interest, Greenville, with its usual enterprise, grasped the opportunity.

The first and second Southern Textile Exposition were staged upon the second floor of the Piedmont & Northern Railway station which is almost directly across the street from the present Exposition.

The Southern Textile Expositions were so well attended and so much machinery was sold as the result of machinery and equipment displayed that the demand for exposition space made it imperative to build a large and permanent building and with some outside aid from machinery manufacturers the present main building was erected.

It was not fully financed and being built at the peak of high costs, it has proved a financial burden upon citizens of Greenville, but has also been a great asset, bringing as it does such a large group to that city for a week every two years.

In spite of the financial burden resulting from the erection of the main building the demand by exhibitors for space has necessitated the erection of a large annex.

We congratulate Greenville upon the manner in which they have handled the previous eight Southern Textile Expositions and predict that the ninth will be a success.

### Number of Union Members

Thos. F. McMahon, president of the United Textile Workers, disputes the statement of H. R. Fitzgerald to the effect that the number of New England members in the United Textile Workers has dropped from 120,000 in 1921 to less than 5,000 in 1930, and states that they have 30,000 insurance members and 60,000 special members.

We do not know where Mr. Fitzgerald secured the 120,000 figure, but we do know that the union's own statistics showed 104,700 members in 1921 and the Communists, after they had split with them in 1929 over a division of the collections, stated that the United Textile Workers had less than 5,000 dues paying members in New England.

The union organizers at Danville also dispute the statement that after twenty-five years of activity in New England the only closed shop mill of any size is the Naumkeag Steam Cotton Company at Salem, Mass.

They may claim that they have more than 5,000 dues paying members because it would be difficult to disprove their statement, but if there are other closed shop mills they could easily name them.

They have in the past had many New England mills make agreements with them and go upon the closed shop plan, but in every case the union broke faith and mills were forced from time to time to make heavy payments to organizers in order to avoid strikes and one by one they threw off the shackles.

If there be others than Naumkeag Cotton Company which still wear the union joke, the union organizers can easily name them. They know that there are no others.

### No Home Section This Week

On account of the extra work and time required to publish this week's issue, which is devoted to the Southern Textile Exposition, it was necessary to omit publication of the Home Section.

The Home Section will, of course, be published next week as usual.



# THE NEWPORT COLORS

*always  
a step  
ahead*

**For the utmost in fastness and brilliance**

the following Anthrene and Thianthrene colors are available. A proper selection of these will meet the most exacting fastness requirements:

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Anthrene Golden Orange G Paste & Powder  
Anthrene Golden Orange R R T Paste & Powder  
Anthrene Golden Orange A R Paste & Powder  
Thianthrene Orange R Paste  
Anthrene Red B N Paste & Powder  
Thianthrene Scarlet G Paste  
Thianthrene Pink F F Paste & Powder  
Thianthrene Pink F B Paste & Powder  
Anthrene Red F F A Paste  
Anthrene Bordeaux B Paste  
Anthrene Red G 2 B Paste  
Anthrene Red Violet R R N Paste  
Thianthrene Red Violet R H Paste  
Anthrene Violet 2 R Paste & Powder  
Anthrene Violet R N Paste  
Anthrene Violet B N X Paste & Powder  
Anthrene Violet B N X Supra Special  
Anthrene Dark Blue B O Paste  
Anthrene Blue 5 G Paste  
Anthrene Blue 3 G Paste  
Anthrene Navy Blue Paste  
Anthrene Blue B C S Paste & Powder

Anthrene Blue G C D Paste & Powder  
Anthrene Blue R C X Paste & Powder  
Anthrene Blue R S Paste  
Anthrene Brilliant Blue R Paste  
Anthrene Jade Green Paste & Powder  
Anthrene Green R C Paste  
Anthrene Olive R Paste & Powder  
Anthrene Brown B B Paste & Powder  
Anthrene Brown G Paste & Powder  
Anthrene Brown R A Paste & Powder  
Anthrene Black R P Paste  
Anthrene Black 2 G Paste  
Anthrene Black B Paste & Powder



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"EVERY KNOT A WEAVER'S KNOT"

## HIGH SPEED

*alone does not bring maximum improvement in*

## WARPING

We find mill men who have the erroneous impression that the success of modern high speed warping as a means of increasing warping economy depends principally upon the high *speed* of the new warpers. They seem to think that all they have to do is buy warpers that will run at 350 to 500 yards per minute and the result will be increased production, lowered costs, etc.

To some extent this is true. *But*—the extremely important factor of *yarn tension* is too often forgotten. Any experienced mill man knows that it is impossible to speed up the old style slow speed warpers beyond a certain point because the tension on the yarn becomes so great that its natural elasticity is destroyed. The increased tension also causes frequent breaks in the yarn, requiring wasteful warper stops for piecing up and producing numerous knots which decrease the quality of the warp. It is necessary, in the new warpers, to provide some means for putting only the very minimum of tension on the yarn, or the benefits of high speed warping are altogether lost.

These factors were appreciated and provided for in making the Barber-Colman High Speed Warper. To obtain the lowest possible tension it was necessary to devise an improved means of handling the yarn both on the spooler and the warper. The result was the "cheese" package with its easy-running ball-bearing core. The success of Barber-Colman machines in giving lowered costs and at the same time an improved product can be attributed in a great degree to this important factor of *low tension*.

Barber-Colman Company will have a Spooler and Warper on full demonstration at the Greenville Textile Exposition to be held in Greenville, S. C., October 20th to 25th. If you are at all skeptical about any of the statements which have been made in connection with Barber-Colman products—either for them or against them—we will be more than pleased if you will call at our display. Let us explain the details of the machines and show you how they produce the remarkable results which they do.

*See our demonstration at the Greenville Show*

**BARBER-COLMAN COMPANY**

General Offices and Plant, ROCKFORD, ILL., U. S. A.  
FRAMINGHAM, MASS. GREENVILLE, S. C.



# ONE PRODUCER

## *Supplying Synthetic Yarns for Every Purpose*

*You are extended a cordial invitation to visit the company's booth, No. 344-5 at the Southern Textile Exposition, where you can see and learn more about these yarns of distinction.*

**S**ERVICE offered yarn users by the Tubize Chatillon Corporation is unique. This company is the only manufacturer who can supply a type of synthetic yarn to meet any requirement. Tubize Chatillon yarns are manufactured by the three proven processes—nitro-cellulose, acetate and viscose. Without emphasis on any one yarn, the representatives of this organization will tell you the best one suited to your needs.

Chardonize, a nitro-cellulose product made by the Opake process, is a permanent dull luster yarn with a soft, subdued beauty which never wears or washes out. Tubize, another nitro-cellulose yarn, has rugged strength and radiant beauty. Chacelon, the new acetate yarn, is justly called the flower of fashion because of its loveliness. Sunbeam, made by the viscose process, is an excellent smooth running competitive yarn. The newest entrant into this famous yarn family, Sançonize, also a nitro-cellulose yarn, has a dullness not quite so subdued as Chardonize nor as radiant as Tubize.

All of these yarns have a reliability and quality which insures superiority to the merchandise made of them. Consult us concerning the fabrics you are making. We can help to perfect them. Address our New York office.

### CHARDONIZE

Nitro-Cellulose

### CHACELON

Acetate

### Tubize

Nitro-Cellulose

### SUNBEAM

Viscose

### SANÇONIZE

Nitro-Cellulose

**TUBIZE CHATILLON CORPORATION . . . 2 PARK AVE., NEW YORK CITY**

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**Manufacturers of Acetate, Nitro-Cellulose and Viscose Yarns of distinction**

# The Lestershire Method of

## HIGH SPEED WARPING



*gives unsurpassed results  
at less than half  
the cost of other systems*

HIGH SPEED WARPING offers an opportunity to materially lower the cost of an important production process... the weaving of cloth.

The Lestershire Method gives every advantage obtainable in high speed warping machines. It increases production in the slasher room... increases production in the weave room... reduces waste in the slasher room... helps to prevent 'seconds' in the cloth room... saves labor in warping... obtains a saving of dead yarn on

the spools... and enables the mill to secure the better yarn.

The quality of the work produced by the Lestershire Method is not surpassed. It turns out as much work. But the cost of the Lestershire Method is *less than one half* that of other methods.

You can test the efficiency of the Lestershire Method on your production without one cent of expense. We offer you a sixty-day free trial. Write for our representative to call.

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### A Rampant Sectionalist

We notice the following newspaper dispatch from Poland Springs, Maine:

Ward Thoron, Lowell, Mass., newly elected president of the National Association of Cotton Manufacturers, last night advocated the elimination of night work for men as well as women and children and adoption of a 55-hour week in Southern mills as a means of controlling production.

If night work could be eliminated in the South and permitted in New England, and if a 55-hour week could be fixed for the South with a 60-hour week in New England, we believe that Mr. Thoron would be exceedingly happy.

Mr. Thoron has impressed, those who have heard him talk, with the idea that he is a rank sectionalist and that he belongs to a small group, a very small group, of New England cotton manufacturers who would not be displeased with anything which would cripple cotton manufacturing in the South.

### Rendering Aid

While the professional organizers from the North were making a drive for the unionization of the mills at Greensboro, Rev. Worth Tippy came to that city and visited the local ministerial association for the purpose of impressing upon them the duty of preaching the gospel of "collective bargaining."

Worth Tippy suggested and prepared the attack upon Southern cotton mills which was sponsored by Bishop Cannon and others and which is now known as the "Bishop's appeal."

His name did not appear but we smoked him out and he admitted that he was the author.

It was so apparent that the "Bishop's appeal" was an effort to aid Northern union organizers that we charged Worth Tippy with being on their payroll and his recent visit to Greensboro in the interest of "collective bargaining" at a time when the Northern organizers were active in the mills, confirms our opinion relative to the motive behind the "Bishop's Appeal."

Nobody can deny the right of workers to bargain collectively provided they can find someone who is willing to bargain with them. On the other hand no manufacturer can under our constitution be forced to bargain against his will.

Worth Tippy is a parasite who has made his living for many years under the colors of one organization or another.

As long as the National Child Labor Committee was able to do active collecting, Worth Tippy was active with them.

He is now active with the Federal Council of

Church of Christ, an organization which is a disgrace to religion and which includes among its officials many radicals, some of whom are Communists in everything but name.

Worth Tippy's effort to aid in unionizing the mill employees at Greensboro is a fair example of their work.

### The Possibilities of China

China with its 300,000,000 people, had only 35,489 automobiles registered on last January 1. Above 77 per cent of the cars registered are of American make, an increase of 24 per cent over the number in operation on January 1, 1929.

There are many Chinese cities of 100,000 to 200,000 people that have never seen an automobile.

China has few good roads. Most of its roads are impassable. This is one of the reasons for the limited sale of cars in that vast republic.

There is evidence that the Government of China is becoming more stabilized and with stabilization will come need for quick transportation, better roads and more automobiles.

It is only a matter of time until China will be one of the greatest markets for American cars.

### Textile Show Publicity Matter Printed On Cotton

The use of cotton cloth in the publicity incident to the Southern Textile Exposition showed several interesting examples of the new idea of replacing printing paper with cloth.

The Watson-Williams Manufacturing Company, of Millbury, Mass., well known makers of shuttles, are using in this issue, a full page advertisement printed on cotton cloth. So far as we know, this is the first instance where cloth has been used for this purpose. The advertisement is sure to attract much attention.

The New York & New Jersey Lubricant Company, New York, used a letter printed in two colors on a cloth letterhead to invite textile men to attend the Southern Textile Exposition. The Merrow Machine Company, Hartford, Conn., also issued an invitation, printed on cloth, to the show. This letterhead was embellished and decorated across the top with blue silk thread stitched by the Merrow sheel stitch machine. The Barber-Colman Company also issued cloth invitations to the textile show.

There are doubtless other companies that made use of cotton cloth in calling attention to the show, reflecting the growing popularity of cloth for such purposes.

**HAYWOOD, MACKAY & VALENTINE, INC.**

Successors to

Cotton Goods Depts. Fred'k Viotor &amp; Achelis

**SOUTHERN OFFICE**

In Charge of T. Holt Haywood

Reynolds Bldg. Phone 3929 Winston-Salem, N. C.

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Utilization and Beautification of the Industrial Village  
Residential and Recreational Developments**CLINTON STARCHES****The Clinton Corn Syrup Refining Company**

Will show samples of products made for the Textile Trade at Booth 205 during the Southern Textile Exposition, October 20th to 25th, 1930.

**CLINTON CORN SYRUP REFINING COMPANY****CLINTON, IOWA****QUALITY****SERVICE****Lockwood Greene Engineers, Inc.***Plans—Specifications—Reports—  
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Town Properties

Largest Landscape Organization in the South

**MILL NEWS ITEMS**

GASTONIA, N. C.—The Arkray Mills have made installation of Breton mineral process equipment, oil spraying of cotton, furnished by Borne Scrymser Company, New York.

ATLANTA, GA.—Work has been begun on the addition to the Exposition Cotton Mills, contract for which was recently let to Samuel W. Hodges, of Greenville. Plans for the building, which is to cost \$71,000, are by Robert & Co., Atlanta.

TAYLORSVILLE, N. C.—D. P. Rhodes, of Lincolnton and A. A. Whitener, of Hickory, who recently purchased the Miller Manufacturing Company, here, have reorganized the company under the name of Rhodes-Whitner Mills, Inc.

GASTONIA, N. C.—The Gastonia Thread Yarn Mills have recently equipped their mills with oil spraying equipment furnished by the Borne Scrymser Company, New York.

MIAMI, FLA. — The Southern Textile Company, of which E. B. Elliott, of 252 N. W. 29th street is president, has plans for the erection of a plant for spinning ramie, the plant to have a weekly production of 10 tons. At the outset, the ramie will be imported from China.

GREENVILLE, S. C.—Officials of the American Spinning Company, announce that beginning this week the plant will increase its operation almost 50 per cent. Superintendent T. A. Sizemore states that mill No. 2 will go on fifty to fifty-five hours per week, day and night schedules, while the yarn mill No. 1 will continue running forty to fifty-five hours per week, daytime operation.

WAXAHACHIE, TEX.—The Waxahachie Cotton Mills are having the plant given a general overhauling and are installing dyeing machinery. The mill, which was formerly operated on single filling duck, will hereafter produce denims and other colored fabrics for work clothing.

ELBERTON, GA.—The Elberton Cotton Mills have begun operations Thursday morning, October 9. Only the carding and spinning departments will resume operations on a full day basis at the present. On Monday, October 13, all of the departments will start up, giving employment to more than 100 operatives, who have been without regular employment for three months.

BURLINGTON, N. C.—Discussing the recent incorporation of the Pinehurst Silk Mills, J. Spencer Love state: "The Pinehurst Silk Mills, which was formerly a Delaware corporation, has been reorganized by us as The Pinehurst Silk Mills, a North Carolina corporation. We taking over the business and assets of the former corporation. Those interested will be the incorporators and other capitalists of Burlington and vicinity.

"The mill, which had been shut down, has been started up again full time and will probably be enlarged. The policy of the former management of selling gray goods made of rayon and silk to converters in the market will be continued. Sales will be handled through our office at 200 Church street. Manufacturing will be in charge of T. H. Burkhardt."



## MILL NEWS ITEMS

RED SPRINGS, N. C.—The Charles Mill Company has been running overtime on orders for silk and rayon dress goods and shirtings.

LEXINGTON, N. C.—The Erlanger Cotton Mills and the Nokomis Cotton Mills, which have been operating on a two-thirds schedule for some time, have returned to full time work.

COLUMBIA, S. C.—F. T. Parker Company, 1800 Green street, offering \$50,000, 8 per cent cumulative preferred stock, 500 shares common stock; company incorporated 1929 to acquire, operate and expand business of manufacture and sale of Press Cloth; proceeds will be applied to financing necessary for purchase of ground, building of factory, purchase of additional machinery.

ASHEVILLE, N. C. — Raylaine, Inc., organized here some weeks ago, G. Jean Nord, president; Lawrence D. Holt; D. Ralph Millard and others for the manufacture of a new product, are understood to have plans drawn by Mr. Nord for a plant near her. Construction of the plant, which is to be located upon a 5-acre site near Biltmore, it to be started within a short time. The proposed building and equipment is to cost \$500,000 and is to produce a synthetic fabric through a secret process, the fabric being said to be suitable for upholstery purposes.

### Semi-Annual Meeting of Southern Textile Association

Plans have been completed for the semi-annual meeting of the Southern Textile Association to be held in Greenville, S. C., on October 24th in connection with the Southern Textile Exposition.

The meeting will convene at 11:00 a. m. in the ball room of the Poinsett Hotel. President J. O. Corn will preside, and after preliminaries of opening the meeting, Chas. K. Everett of the Cotton-Textile Institute will address the Association. Mr. Everett will speak on the progress that is being made in the development of new uses for cotton.

Geo. S. Harris, formerly of the Exposition Cotton Mills, Atlanta, Ga., and now with Hunter Manufacturing and Commission Company, will make an address on "The Position of the Mill Executive."

Following Mr. Harris' address there will be a recess, and at 1:00 p. m. the members will gather in the main dining room of the Poinsett for a luncheon. The program for this luncheon is in the hands of a committee from Greenville, of which Edwin Howard is chairman. This committee has worked hard and will offer a program that will be very entertaining. The price of the luncheon will be \$1.00 per plate, which will only cover a part of the cost, the balance of the luncheon price being contributed through the courtesy of friends of the Association, whose names will be carried on the program.

The meeting has been so timed that it will be possible for everyone attending to be in the Exposition Hall by 3:00 p. m.

The closing feature of the convention will be a dance in the ball room of the Poinsett Hotel, Friday evening, at 10:00 p. m. This dance will be informal, and will be complimentary to members of the Association and exhibitors at the show.

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**SHUTTLE - COMPANY**

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GREENVILLE, S. C. PATERSON, N. J.

## Sheeting, Print Cloth, Broadcloth Sales Are Higher

By Hunter Mfg. & Commission Co.

Sales of print cloths and sheetings, broadcloths and fancies and towels were greater last week than in the previous week, but the total of sales was somewhat less, as the volume of colored goods sales fell off. Sales were in excess of actual production, however.

Though print cloths, in general, were not particularly active during the week marked activity developed in one construction, the 80-80s. Almost all the large users seemed to want to buy goods for prompt shipment the early part of the week, and, as a result, October-November goods have been pretty thoroughly cleaned up at 7½ cents with actual spots now commanding a premium. This business has lent backbone to the other numbers so that, beyond some unimportant second-hand offerings, prices on the other print cloths are being held firm. In drills and sheetings it has been mostly small lot buying but prices are steady.

### MARGINS IMPROVED

Mill margins have improved, but they have improved only because production has been kept down. They can be improved still further if production can be kept within reasonable limits for another 60 to 90 days and all the gain that has been made can be lost by too hasty increase in operations. We know that our mill friends are well aware of these facts and we think that they intend to keep the situation safely and intelligently in hand.

It has been a week of disturbed conditions in the financial markets, but raw commodity markets have shown a steady tone with considerable advances in rubber, copper and sugar. Many believe that the declines in commodities are practically over.

### OUTLOOK FAVORABLE

In a general way, the outlook for textiles is favorable, heavy reduction in mill stocks, little, if any, increase in dealers' stocks, retail trade making satisfactory showing under existing conditions. No doubt we saw the peak of the autumn buying in September, as is usually the

case, but we feel confident we can count on continued demand for another month to six weeks. That will carry us to the approach of the holiday season and business during December will be governed by conditions bearing upon the outlook for early 1931 of which there will begin to be signs by that time.

It seems to us that wants for the next 60 to 90 days should be covered for there is little or no risk in current prices and some likelihood of gain.

## Lincoln Baylies Urges Continued Curtailment

Poland Springs, Me.—Lincoln Baylies, retiring president of the National Association of Cotton Manufacturers, declared in an address before the convention here that the "greatest test of curtailment of the present year is now at hand."

He added: "If the mills will hold to their curtailment program, and if the mills throughout the North and South continue to maintain production on a reasonable and sensible parity with demand, better business will be the reward. If, however, the present curtailment is reduced at the first sign of better business, we will find ourselves as an industry entering the new season under an even greater disadvantage than was the case a year ago, and there are not many of us who care to contemplate a repetition of 1930 in 1931."

Mr. Baylies gave a resume of the activities of the association during the past year and explained how the organization, faced with the handicap of lessened income due to business depression, succeeded in reducing its expenses 14 per cent and its costs more than 34 per cent.

Commenting on the work done by the association in bringing about better conditions in the cotton industry, Mr. Baylies said: "With overproduction stifling the industry we have worked steadily and consistently to bring about curtailment which would keep production in accordance with demand. The curtailment program put into effect early last spring through the efforts of the Cotton-Textile Institute has already been of assistance

# SPINNA GALE

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DOUBLING  
MEASURING  
WINDING  
STAMPING  
TRADEMARKING  
CALENDER  
ROLLING



in getting our house in shape for the coming season. But the greatest single step that our industry has ever taken toward this end is, I believe, in recent recommendation of the executive committee of the Cotton-Textile Institute that the employment of women and minors under 18 should be eliminated from night work as soon as possible and not later than March 1, 1931."

### Mill Men Favor No Change in Futures Contract

Poland Spring, Me.—The Cotton Committee in its report to the convention of the National Association of Cotton Manufacturers here said:

"The association has kept in touch with matters in relation to cotton, i. e.:

"The correction of the constructions of the Government grade boxes for preparation and handling. The box as now made up gives more protection against disturbance of the surface of the types than in the boxes as originally set up.

"The association has kept informed of the activities of the committee of the New York Cotton Exchange which has held one or more hearings on the advisability of changing the contract relative to staple differences. It seems to be advisable for the association to favor no change from the present contract conditions, that is, retain the basis at 60 per cent of the average differences to be allowed."

"The association has also awaited action by the Department of Agriculture in reviewing present staple type bales, as there is a strong feeling that these type bales may not properly represent the character of the staple that the present crop may provide. Any changing of staple types would not be adopted to apply against the 1930 crop, however.

"The association also has interest in the activities of the Department of Agriculture in their experiments with the production of Sea Island cotton on one of the plantations in the neighborhood of Charleston, S. C. The few bales that have been produced from pure seed show first picking grade similar to old style fancy, second and third pickings similar to old style extra choice and choice Sea Island. The staple being of good character as long as 1¾ inch and the cotton appears to show the same high luster as the old type. Such cotton should be very valuable to spinners of extra fine yarns which at the present time cannot be made satisfactory from Sak or Pimas.

### Industrial Rayon Reports Earnings

Cleveland, Ohio.—Earnings of Industrial Rayon Corporation for the nine months ended September 30 show a profit from operations before depreciation, interest and Federal taxes of \$2,068,484, with a net profit after all charges of \$1,262,089, stated D. S. Mallory, treasurer. Stockholders are advised that orders on hand are sufficient to keep plants running for many months and that September was the largest shipping month in the company's history, with schedules for October and November indicating averages close to those of September.

Cash certificates of deposit and secured loans equal \$26 per share, with net quick assets \$40 per share, or a ratio of 17 to 1. October first audit indicates net book value of tangible assets of \$72 per share.

"We estimate earnings for the year at approximately \$9 per share," Mr. Mallory states in a letter to stockholders.

Stripper X

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## Quality Counts

That is apparently the reason why an increasing number of dye-houses and finishing houses are reordering

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in greater and greater quantities.



American Aniline & Extract Company, Inc.

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P. S. Ask your neighboring mill what they think of rt hocen

Chemicals  
of  
Originality

Dyestuffs  
of  
Quality

## Everybody's Business

(Continued from Page 44)

business will be speeded up. Thousands of planes and airships will be traveling back and forth across America within five years. Rapid transportation of one kind or another will not only extend sales territories, but will enable retailers to order goods every few weeks instead of purchasing large quantities two or three times a year.

There will be high-speed skyways miles above the earth. The air above us is a two-story affair, the second having different properties from the first. The troposphere, which comprises the first seven miles of the atmosphere, has all the storms and all the turbulent winds. Above this level is perfect calm and perpetual sunshine. In this upper sphere oxygen is required to sustain life, the temperature is very low and our present motors would literally gasp for breath. But the enormous speeds that might be attained as a result of the disappearance of the backward drag of air provide an incentive for engineers to overcome the present obstacles to high flying.

Immediately before us lies the discovery of hundreds of new drugs, most of them synthesized in laboratories. Our important highways will be townless. Our eating habits will be greatly improved as a result of many factors, including quick freezing, improved refrigeration, fast transportation and the chain store. Robots will do much of our selling. Electric eyes, sensitive to color and light changes, will perform hundreds of tasks from making chemical analyses to controlling all kinds of machinery.

We will have new refrigerants, strange alloys and high-

ly desirable properties, better and cheaper fabrics, products that may rival steam for heat, metal-grained wood, food-preservatives from cow's milk and a wide assortment of useful substances from materials that have heretofore been regarded as waste.

It is true that science and engineering may largely be blamed for having upset life and industry. Current unemployment is due in large measure to the substitution of machines for hand labor. But if we will show the good sense of reorganizing the present urgent necessity for changing our viewpoint and adopting new aims, most of the serious troubles that surround us will quickly disappear.

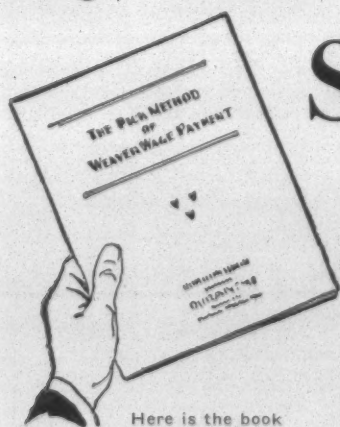
Instead of continuing to expand old industries, we must give earnest attention to the creation of new forms of enterprise. We come now to the essential jobs of adjusting production to consumption and diverting capital to the development of infant industries. In the words of one, we must now substitute a psychology of adjustment for a psychology of expansion.

## Obituary

R. B. BLAKELEY

Griffin, Ga.—R. B. Blakeley, seventy-eight, prominent textile executive and banker, died suddenly at his home here. The funeral services were held Wednesday morning at the home and the burial was made here. Mr. Blakeley was the founder of the Rushton Cotton Mills and the Commercial & Savings Bank of Griffin. He was also a member of the directorate of the Griffin Banking Co. and president of the Griffin Grocery Co.

# COUNTING by the will of STEEL



Here is the book that gives you first hand information on the Pick Method of Weaver Wage Payment. Write for it.

Here is an automatic counting device... the Productimeter... that laughs with scorn on make-shift counting contraptions. **PRECISE, ACCURATE, AND AS DURABLE AS STEEL.** Not a muscle to give out. No mind to err or falter. The Productimeter is a reliable detector. It enables you to improve production and to check more accurately the wages you can afford to pay. Write for our booklet outlining its many advantages.

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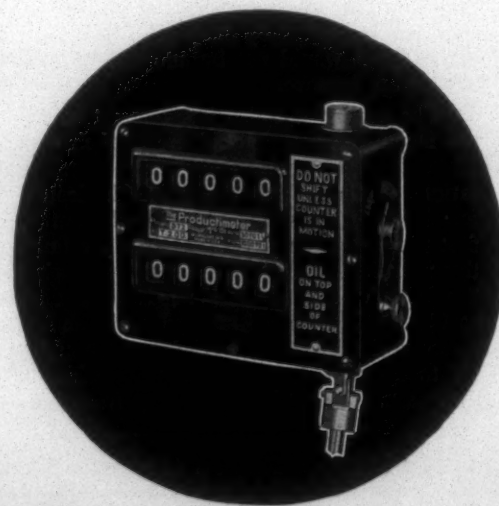
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# Productimeters

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## Are You Ready for the Great Upward Move of Business?



The tide has turned and soon will be at the flood.

The wise textile executive is looking ahead with courage and optimism, his thoughts upon preparation for increased business. Now is the time to repair, extend, and recondition mill buildings and tenements. Now is the time to overhaul the machinery and equipment, remove that which is antiquated and inefficient and replace it with new.

Now is the time to clean out the storerooms, discard old cans and containers, and stock up with improved mill supplies. Not in many years will there be such an opportunity to purchase labor and materials.

"Wise men buy commodities when the whole world seems to be selling them and build mills or enlarge their plants when a depression is on so that their new machinery may be ready for the next profitable period."—*Southern Textile Bulletin*.

"Chance alone plays a small role in success. Business naturally gravitates to the man who is well informed and who thoughtfully applies his knowledge to his own business problems."—*Manufacturers Record*.

Southern Textile Exposition will open at Textile Hall on the morning of October 20th. There will be displayed not only ingenious and perfected machinery, but appliances, devices, and mill supplies created especially for use in connection with these highly efficient new mechanisms. The most competent engineers and mechanics will be present to demonstrate and explain. The Exposition will remain open the entire week. Approximately 200 exhibitors will occupy booths.

If you wish to travel by train, you may take a Pullman from Greensboro, N. C., which will be set out at Greenville each day during Exposition week, check your baggage at the station, and leave Greenville that night on the same car. If you travel by way of Atlanta, the same accommodations may be had. Ask your railroad agent.

If you travel by motor, you will find paved roads in every direction. When you arrive at Greenville, apply at the Information Booth for a "courtesy card," entitling you to park your car anywhere.

If there is anything which a visitor to the Exposition may need, the Bureau of Information or the management will provide it. Don't let anything prevent you from attending at least one day.

**You are cordially invited to attend the Exposition**  
**Textile Hall Corporation, Greenville, S. C.**

## August Hosiery Production

Washington — Hosiery production for the month of August as reported by 330 identical establishments of which 17 were idle and 1 reported no production amounted to 4,141,404 dozen pairs of all kinds, compared with 3,927,731 dozen pairs in July, reports the Department of Commerce.

Shipments for the month were well in advance of production, being reported at 4,611,572 dozen pairs, against 3,959,762 in July. Stocks on hand at the end of August were lower, though close to the levels of July, amounting to 13,126,887 dozen pairs, against 13,517,642. Orders booked in August were for 4,420,312 dozen pairs, against 3,788,892 in July. Cancellations mounted slightly in August, being reported at 129,082 dozen pairs, against 100,896 in July. Unfilled orders at the end of August were reported at 3,502,260 dozen pairs, against 3,822,599 at the end of July.

On a comparative basis and using the reports for 276 identical establishments representing 356 mills figures for August, 1930 and 1929, are compared. Production on this basis for 1930 is 3,537,289 dozen pairs, compared with 4,917,924 in 1929. Net shipments in 1930 were 3,922,408 dozen pairs (well ahead of production), against 5,038,487 in 1929. Stock on hand at the end of the month, including finished and in the gray, amounted to 11,930,903 dozen pairs in 1930

**GILL LEATHER**  
SHEEP SKIN  
*for TOP ROLLS*

means MORE PROFIT  
because BETTER YARN,  
FEWER BREAKS, and  
FASTER PRODUCTION

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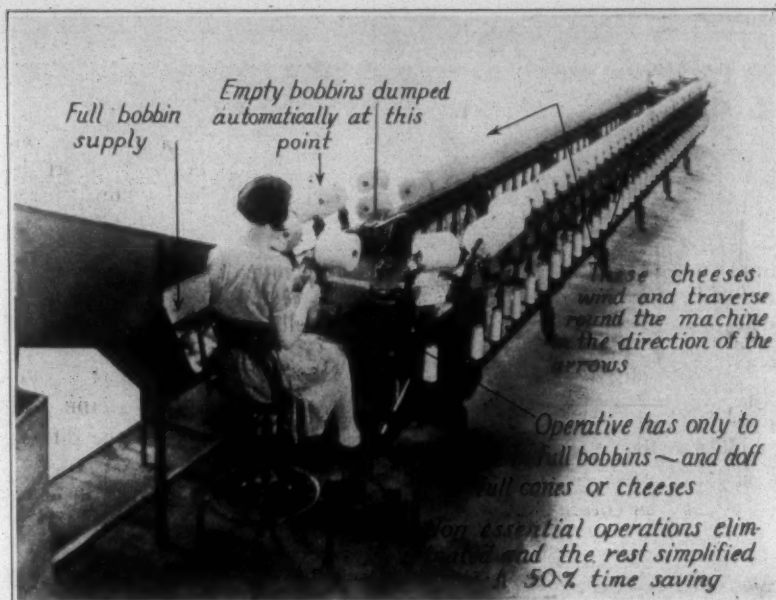
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***"Don't miss our exhibit at Greenville"***

We will run on a full production schedule representing actual mill conditions.


We will show how it is possible to replace spooling ahead of warping or twisting by a cheaper process with vastly less fatigue to the operative—also other cost saving winding applications.

We extend a cordial invitation to see us in action.

## ABBOTT MACHINE COMPANY

Wilton, N. H.

**TIMELY!**  
**THE NEW**  
*Weeder-ROOT*  
**TRIP-TOTAL**



**PICK COUNTER** **BUILT FOR**  
**with resetting and totalizing dials** **One-Shift Operation**

Re-setting dials allow weaver and overseer to *SEE* their production from start of pay period. All looms can start at the same figure; can be held to the same production by comparative checking-up. The non-resetting, totalizing dials make a permanent record of individual loom output, for payroll purposes and long-period performance.

These new advantages come to you through a combination of the standard non-resetting and the "Tanner Type" re-setting Pick Counters. The Trip-Total unit is interchangeable with ANY Root Type counting unit. So that present owners of Root installations may change over without one cent of expense for worm and housing drives, brackets, attachments or installation.

In this new development you buy no experiment. Weeder-Root Pick Counters were the first in USE; they are first in NUMBER in use; they are first with NEW FEATURES when such prove practical. A trial installation is your privilege at this time. ★ See us at Booth 220 at the Greenville Show.

**Weeder-ROOT** INCORPORATED  
HARTFORD, CONN.

General Southern Representative, W. A. Kennedy, Johnston Bldg., Charlotte, N. C.

## Textile Export Association of United States

(Continued from Page 39)

point out that friendliness and strict adherence to quality were necessary adjuncts to foreign trade expansion. A successful Western merchant was author of the phrase—"Quality is remembered long after price is forgotten."

It is the quality of American textiles that gives us an advantage over our present day competitor, and we should be eager to adopt and use the "Made in America" slogan. It has a real value in the markets of the world.

### EXPORT POLICIES

May I close by quoting a few paragraphs from what I said at Charlottesville.

"I believe that our policy in export should be continuously to seek foreign outlets for a definite percentage of our manufacture if necessary at a slightly higher distribution cost; scrupulously to avoid in editorials, in congressional debate, in the written and spoken word any utterances that could be construed as unprovoked unfriendliness to foreign nations; conscientiously to maintain standards in every delivery of merchandise equal to contractual obligation whether it is cotton for Liverpool, office furniture for Columbia, hosiery for the Argentine or Texas made osnaburgs for the wheat crop of Chile."

"These things I hold to be essential to the establishment and maintenance of commerce with alien people, intelligent survey, resourceful sales force, sustained quality whether of commodity or industrial product, fair dealing, sympathetic understanding, an actual desire to serve the needs of the customer nation, and a spirit of friendliness which will awaken in other countries a desire for closer commercial relations."

### Davenport Adds \$1 Style; Cuts One 25c

Davenport Hosiery Mills, Chattanooga, Tenn., announces a new dollar number and a reduction of 25 cents a dozen on the present dollar style, both of which are guaranteed 42-gauge.

No. 25X, a 42-gauge five-thread silk to top, with double silk heel and welt of eight-thread silk with mercerized back, is quoted at \$8 for immediate delivery. No. 20, the style recently introduced, is reduced from \$8.25 to \$8. This is a 42-gauge seven-thread with lisle top and foot, boxed in "Davenport" neutral packing. The new style is packed under the company's "Humming Bird" brand. Both styles are knit on full 14-inch needle bars.

### Durene Committee Meets

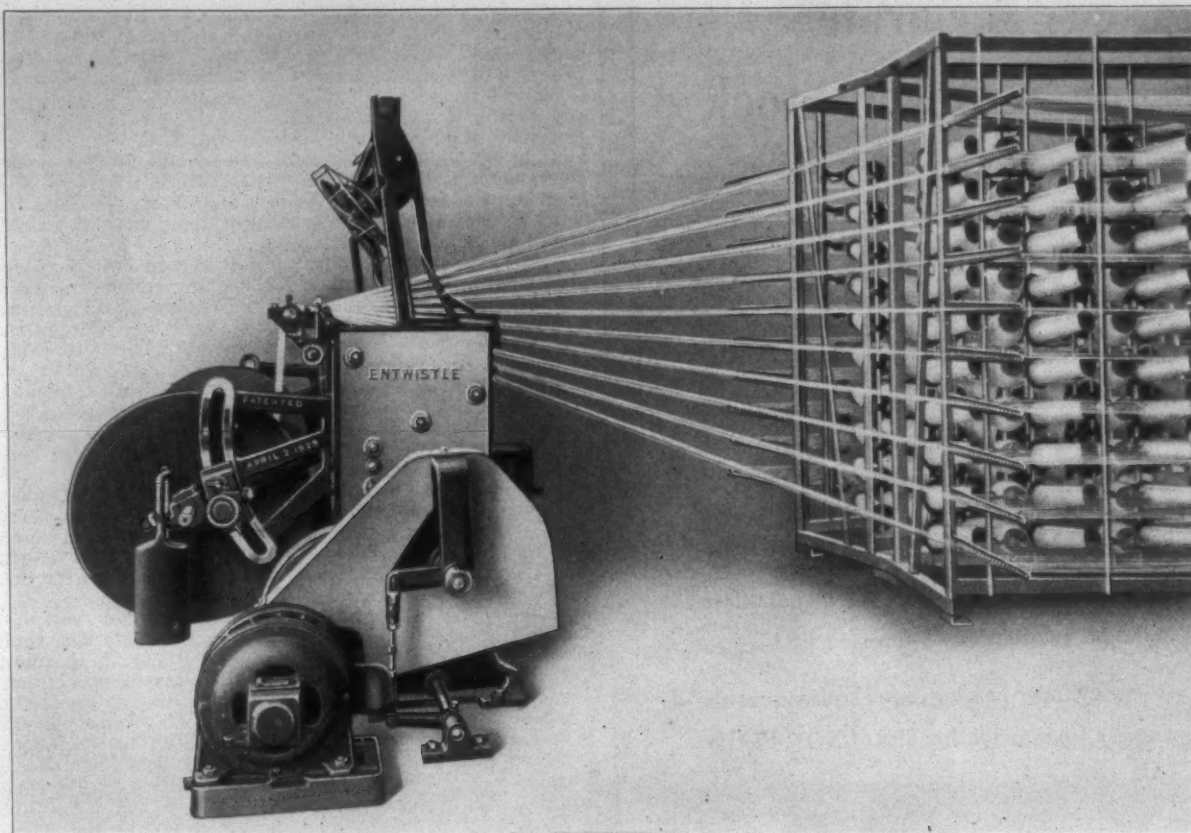
The governing committee of the Durene Association of America met last Thursday night at the Southern Manufacturers' Club, Charlotte, to plan educational activities of the organization during the coming year.

Members of the committee attending the meeting were J. P. Holt of Belmont, J. S. Verlenden and George H. Ellis, of Chattanooga, Tenn., A. K. Winget of Gastonia, and R. L. Stowe of Belmont.

The plans made will involve considerably increased merchandising and styling service, further direct contacts with knitting and weaving mills, and enlarged follow-up activities with wholesalers, jobbers, and retailers. Educational lectures, literature, and contacts with universities and college and home economics groups will continue in a larger way in 1931, as will trade and consumer publication advertising, members of the committee said.



# High Speed Warping



THE NEW NO. 128 ENTWISTLE HIGH SPEED WARMER

will do the work better at less cost because it is the easiest machine for the operator. Being easier to operate means greater efficiency therefore less operating cost also less cost of maintenance as it is distinctly the ruggedest though simplest in construction. LOOK AT THIS WONDERFUL WARMER in operation at some convenient point. See it at the Greenville Show, October 20-25. A real pleasure to show you, without the least obligation.

## T. C. Entwistle Company

*"The Warper Specialists"*

Lowell, Massachusetts

## Keep Card Settings Accurate for Stronger Stock

NON-FLUID OIL stays in bearings—keeping frictional points protected.

With NON-FLUID OIL you can reduce bearing wear to a minimum and maintain the accurate adjustment of doffers and top flats which affects the strength of the stock.

And besides, NON-FLUID OIL won't waste all over card clothing—lengthening its life.

In comb boxes NON-FLUID OIL outlasts liquid oil at least 3 to 5 times.

Heavy cylinder bearings can't squeeze out the slippery friction-fighting film of NON-FLUID OIL.

*Write today for testing samples and bulletin—"Lubrication of Textile Machinery."*

**At the Southern Textile Exposition you will be welcome at our booth—No. 109, Main Floor.**

**New York & New Jersey Lubricant Co.**

Main Office: 292 Madison Ave., New York, N. Y.

Lewis W. Thomason, Charlotte, N. C.  
Southern Agent

Warehouses:

Chicago, Ill.	Providence, R. I.	Atlanta, Ga.
St. Louis, Mo.	Detroit, Mich.	Charlotte, N. C.
New Orleans, La.	Spartanburg, S. C.	Greenville, S. C.

TRADE MARK REGISTERED  
**NON-FLUID OIL**  
IN U.S. PAT. OFFICE & FOREIGN COUNTRIES

MODERN TEXTILE LUBRICANT

*Better Lubrication at Less Cost per Month*

## What You Will See at the Exposition

(Continued from Page 34)

Tubize Chatillon Co., New York, producers of rayon by three distinct processes, the nitro-cellulose or Chardonnet process, the viscose and the acetate processes, will exhibit samples of their products. Their range of nitro cellulose yarns consist of Tubize, Sanconize and Chardonize in the popular denier sizes; a full lustrous, a semi-lustrous and a dull luster yarn, respectively. The Tubize Chatillon Viscose yarn is being marketed under the brand name of "Sunbeam." It is now being manufactured in 100 and 150 denier sizes, both with 40 filaments. Samples of these fabrics will be exhibited at their booth 344-5. Representatives will include A. T. Rump, technician, Dudley Bryan and Joseph Morton, salesmen.

Aldrich Machine Works, Greenwood, S. C., expect to exhibit in Booth 103 their usual line of ball bearing equipment for textile mills, and will feature the Morton & Morton pick counter for looms, and Dyess ball bearing comb box for cards. Both of these items were on exhibit at the last show.

New exhibits will comprise their regain indicators for picker lap weight control, and for sizing roving and yarn, and their regain controller for conditioning testing laboratories. Both of these instruments have been put on the market since the last show, and should be of a great deal of interest to all textile plants.

As Southern agents of the Henry L. Scott Company, Providence, R. I., they will have on exhibit testing machines for testing the strength of cloth and yarn, and a line of small laboratory equipment consisting of yarn reels, yarn scales, and twist counters.

Representing the firm, will be A. P. Aldrich, Jr., sales manager; Robert Aldrich, general manager; J. Kirk Rowell, representing them in Georgia, Alabama and South Carolina; and Roy Perry, representing them in North Carolina and Virginia. Representing Henry L. Scott Co., D. C. Scott, treasurer, and E. B. Bolton, salesman.

Washburn, New Bedford, Mass., in Booth 203, will display Washburn long draft spinning rolls; Perfection shell rolls; Kore-lokt pin boards; Steel-Bilt trucks; high speed warper beams; gudgeon rolls and other textile specialties. A special feature to be emphasized in this exhibit is the Washburn long draft roving system. This improvement in card room practice will be demonstrated by a 300 foot movie reel. Name of representatives at Booth are: F. C. Washburn, Fred Wilkinson and Adam Melvin.

## Clemson Sees Cork Roll Picture

Clemson College, S. C.—On October 3rd, A. M. Dorn of Greenville, and D. G. Bell of Dallas, representing the Armstrong Cork and Insulating Company, showed a two-reel motion picture depicting the manufacture and operation of cork rolls in spinning cotton, wool and silk. This picture was shown before the teachers of the carding and spinning division and the seniors in spinning of the Clemson Textile Department. Mr. Dorn is giving this demonstration to any mill where officials are interested seeing cork rolls in operation. The pictures were taken from leading Eastern mills as well as from mills in South Carolina.

## Palmer Lectures At Clemson

Clemson College, S. C.—On October 20th beginning at 8:00 a. m., Albert Palmer, research assistant to the general manager of the Crompton & Knowles Loom Works, Worcester, Mass., will give a series of four talks to students in the Clemson Textile department. Subjects to be discussed in the order of presentation are: Costs, Time Study Methods, Development of Machinery, and Some Principles of Loom Engineering. Some of the points in these lectures will be illustrated by slides. Each of the talks will last for about an hour. Since these problems are especially applicable to the course in cost finding, which is being developed and taught at Clemson at the present time, departmental officials feel particularly fortunate to have Mr. Palmer discuss them.

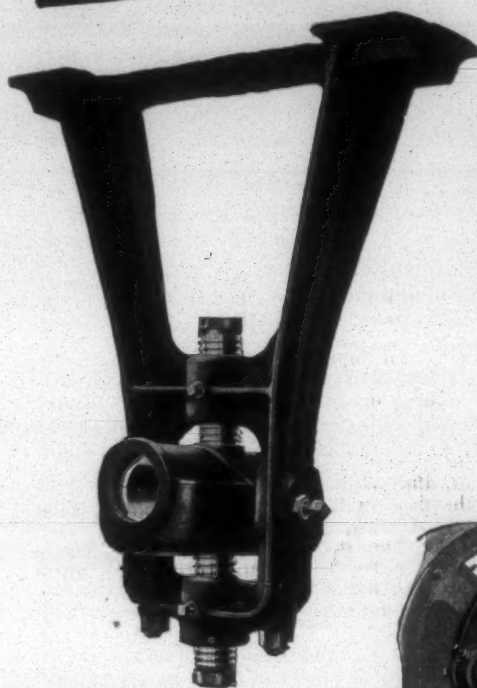


# EVERYTHING

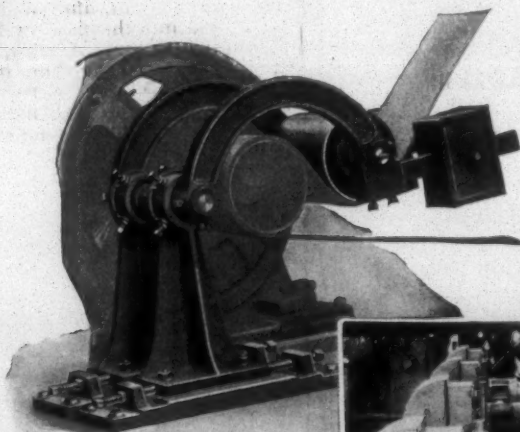
## in Modern Drives and Transmission

For completeness—for efficiency—for dependability—the T. B. Wood line of drives and transmission machinery tops them all.

Each product is backed by years of experience, designed by engineers who have made the study of drives and transmissions their specialty. Whatever you needs, we can supply them—superior all the way through, without extra cost to you.

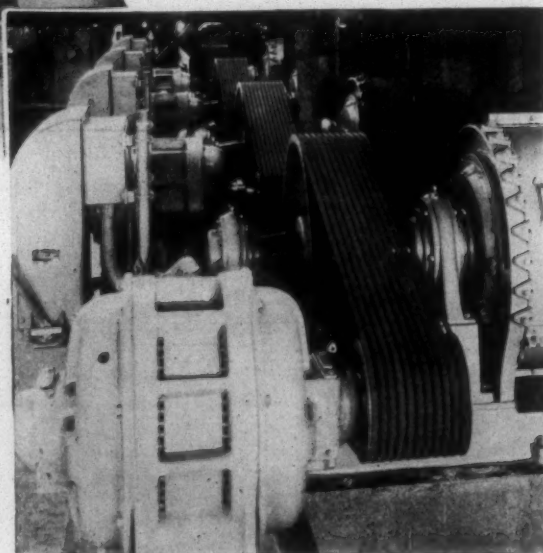


The "Universal Giant" Ring Oiling, Ball & Socket, Cast-Iron Hanger is permanent equipment that can be installed—and forgotten. "Universal Giants," fifty years old, are giving as good service today in many plants as the day they were new. You can't wear them out!



The U.G. Automatic Belt Contactor, Curved Double Arm Type 22. Two stands having adjustable bearings for cross shaft. Recommended for heavy belt drives 6" to 24" wide with slack at top.

COME TO SEE OUR  
EXHIBIT—Booth 233, Textile  
Exposition, Greenville,  
October 20th to 25th



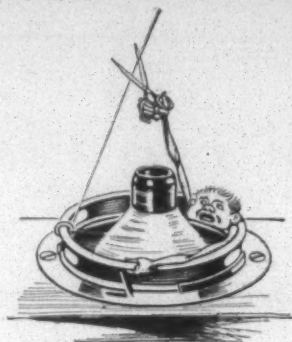
T. B. Wood's Sons Company is a licensed manufacturer of the Allis-Chalmers Texrope Drive, of which a large and complete stock of standard sheaves and belts is always carried. Texrope Drives are smooth, silent and economical; require no lubrication and no expert attention. May we tell you more about them?

### Makers of:

Shafting, Hangers, Collars, Pulleys, Friction Clutches, Ball Bearings, Flexible Couplings, Rope Sheaves, Pillow Blocks, The U. G. Automatic Belt Contactor and Texrope Drives. Also Brass, Aluminum and Gray Iron Castings, Cast Gears and Cut Gears.

**T. B. WOOD'S SONS CO., CHAMBERSBURG, PA.**  
GREENVILLE, S. C. CAMBRIDGE, MASS.

## The Extra-wear Spinning Ring



### Change worn rings or they'll change you!

Change worn rings, or they'll change the quality and speed of your production! Uneven rings mean more ends down, despite the fact that you pull speeds down. You get slower production, more knots. Change worn rings BEFORE they force you to lower quality and speed of production. Change to DIAMOND FINISH, the ring which many mills start without using lighter travelers. Ask us!

**Whitinsville (Mass.)  
SPINNING RING CO.**

*Devoted to making "DIAMOND FINISH"  
Spinning and Twister Rings since*

# 1873

### Cites Low Manufacturing Margin

The report of the Merchandise Committee of the National Association of Cotton Manufacturers, says:

"The marketing of cotton goods continues to be one of the serious problems of the industry. It seemed, for a time, during the summer and early fall of 1929, that some control of the market had been obtained, as prices remained reasonably steady. Such progress as was made, during this period, was entirely wiped out by the stock market crash in November, when the price of cotton goods was adversely affected by the general slump in all commodities.

"Overproduction of the staple cloths is one of the most difficult factors to overcome as it is impossible to sell goods at a price that will return a reasonable profit so long as there is a continual oversupply hanging over the market. If the present curtailment plans can be carried through successfully, there should not be any large accumulation of staple goods to dispose of when there is again a demand for cotton goods.

"Cotton as a style fabric continues to be popular, and this season, was used more generally for this purpose than last year. It is confidently expected that the spring and summer of 1931, will show an additional demand. The increased use in cottons for style fabrics was more than offset by the decreased use of fabrics for mechanical purposes. The general trend of price is decidedly unhealthy and has shown a steady decline for the last four years. The manufacturing margin on ten Northern print cloths for the first six months of 1930, show an average drop of 7.753c per pound, over the average for the year 1927.

"The manufacturing margin on these fabrics is as follows:

Year	Cents
1927	31.871
1928	29.358
1929	27.589
1st 6 mos. of 1930	14.118

"No one cause can be assigned to this continual decrease in manufacturing margin, but overproduction and poorly planned production through the use of night running, is perhaps the principal cause with a secondary cause, in 1930, of the uncertainty of what the Federal Farm Board will do to the price of cotton.

"The practice of selling cotton goods F. O. B. mill has caused many manufacturers to overlook the importance of freight rates in their merchandising problem. On so-called 'staple cloths' particularly the customer adds freight to the quoted price and often-times the difference in the freight to be paid is the influencing factor in obtaining an order. The recent disturbing decisions of the Interstate Commerce Commission upsetting rates of many years standing makes this factor of increasing importance.

"Your Association has continued to push the sale of cotton goods through its publicity department and through the use of educational display, wherever possible.

"During the year, additional mills have gone into combinations and others have announced a policy of selling their goods through their own selling departments. While it is probable that the production of the merged mills can be sold to better advantage, it is still too soon to forecast just how much influence the larger units can have on the market."



U

S

## The "Idea Was Right"

**E**IGHTEEN months ago THE BOWEN PATENTED BEVEL EDGE TRAVELER was only an idea. Today an accomplished reality. It stands unique in the field of Textiles for Spinning, Twisting and Silk Throwing. The remarkable performance and service assured from the coarsest to the finest fibres, makes this—

## "A Traveler For Every Fibre"

**A**SK about the PATENTED BEVEL EDGE TRAVELER at our Exhibit BOOTH NO. 51 and 52 at the Southern Textile Exposition, Greenville, South Carolina, October 20-25, 1930. Our Representatives, William P. Vaughan and Oliver B. Land, will be in attendance to give you full information on this improved traveler and other UNIVERSAL STANDARD TRAVELERS.

*Manufactured only by*

### U. S. RING TRAVELER COMPANY

Providence, R. I.



Greenville, S. C.

ANTONIO SPENCER, *President*

AMOS M. BOWEN, *Treasurer*

BOOTH NO. 51-52

**SOUTHERN TEXTILE EXPOSITION**

**GREENVILLE, SOUTH CAROLINA**

**OCTOBER 20-25, 1930**

R

T

## Long Draft Roving Invention

Developments in New Bedford of a new idea in roving promises to mean much to the textile industry in the way of reduced costs and finer product, according to the men who have been instrumental in doing experimental work, and in applying it to practical conditions in the mill.

Credit for the invention is due Fred Wilkinson of the "Washburn" organization who conceived the idea and directed its working out and testing. Wilkinson is a mill man of long experience. Several years ago he had the misfortune to lose his left arm in an accident at a mill in Danville, Va. Since that time he has been principally engaged in the marketing of textile specialties covering both Eastern and Southern manufacturing centers.

Preliminary tests and experiments were conducted at the New Bedford Textile School with the assistance of Frank Holden, head of the yarn preparation department. The idea was perfected there during the past summer, and the results have proved so satisfactory to Wilkinson and his backers that it is about to be launched commercially on a large scale. It was stated that actual installations have been started locally and in Rhode Island plants.

### LIGHT MIDDLE ROLL

The new arrangement is said to make possible a longer draft and a stronger yarn. In brief, the idea is this: The roller stand is tilted at an angle. The middle roll is taken out and the lighter Washburn roll is substituted. This runs unweighted and almost flush against the front

roll. Driving gears are changed to suit the new mechanism. Among the advantages claimed for setting the middle roll close to the front roll are that shorter staple cotton can be used in yarn manufacturing, and that stretching of the roving is done away with. The latter is partially explained by the fact that the middle roll is unweighted, giving a light pressure of the fibres.

### INCREASED STRENGTH

Tests made on the yarns produced under this arrangement have shown greater breaking strength than the standards known as Draper or Sheldon. Increased strength to the extent of over 20 per cent has been reached in experimenting on spinning made by this method.

Power saving is another feature claimed from the use of this system. This arises from the middle roll being unweighted, hence needing less power to drive it. In addition, the back rolls are weighted only one-half as much as previously. One weight goes for two back rolls. Another effect of this reduced weighting is said to be a decrease in the wear of the rolls.

## Glencoe Mill Executive Held On Shortage Count

Burlington, N. C.—R. C. Roberts, secretary-manager of the Glencoe Mills at Glencoe, was under arrest today for the alleged embezzlement of \$400 of the company's funds. Walter R. Green, president of the company, signed the warrant. The shortage is said to cover a period of several months. An audit report revealed it.

Roberts, until he came to Glencoe several years ago, was an executive in a textile organization at Tarboro. He is held under \$5,000 bond for hearing.

*Perfection in spinning can be most nearly obtained by using*

## "THE DARY TRAVELER"

The Dary Ring Traveler Company has been in business for more than a quarter of a century and has been constantly improving the methods of manufacturing High Speed Travelers, until today we are able to produce Travelers of a guaranteed weight, temper and style. Dary Travelers are made from a specially drawn imported stock by skilled workmen with years of experience. It is the Dary Process with diligent watch over every detail and the cooperation of our customers that has enabled us to manufacture a Traveler that is unequalled.

We will be glad to serve you in any possible way during your visit to the Exposition.

**The Dary Ring Traveler Company, Taunton, Mass.**

*Southern Representatives*

John E. Humphries, Box 843—Greenville, S. C.  
Charles L. Ashley, Box 720—Atlanta, Ga.

F. H. Dary, Manager  
B. G. Dary, Treasurer



## *We Are Manufacturers of a Complete Line of Amalthion (Sulphur) Colors . . .*

### **Amalthion Bright Navy Blue GS Conc.**

A new type of soluble Sulphur Navy Blue—bright Green shade—suitable for raw stocks, skeins, or piece goods.

### **Amalthion Yellow GA Extra**

A new bright soluble type of Sulphur Yellow, of Green tone, suitable for all kinds of sulphur dyeing.

### **Sulphur Colors COPPER FREE**

Amalthion Brilliant Sky Blue BCF  
Amalthion Bordeaux 3BCF  
Amalthion Green YCF

Amalthion Yellow CF  
Amalthion Tan CF  
Amalthion Brown RCF

*In addition to those listed above we can supply the following standards of high quality Sulphur Colors*

Amalthion Navy Blue RL Conc.  
Amalthion Electric Blue  
Amalthion Brown A  
Amalthion Brown RF

Amalthion Green NT  
Amalthion Bright Green 3G Conc.  
Amalthion Cerise JC  
Amalthion Cutch Browns

Amalthion Bordeaux R Ex. Conc.—BA-5B

*. . . . and Whether It's Slashing, Bleaching, Dyeing, Degumming,  
Scouring, Softening, Finishing, Sizing . . . no matter what the Process  
. . . We Make Just the Product to Meet Your Specific Demands.*

**A Few of Our Products Which Have Stood the Test and for  
Which the Demand is Increasing . . .**

#### **CAMASOL**

Super-sulphonated Soluble Castor Oil

#### **SERISOL**

Super-sulphonated Soluble Castor Oil

#### **VITASOL**

Soluble Textile Oil—a type for every purpose—wetting out—dyeing

#### **KIERASOL**

The Kier assistant that insures a permanent bleach

#### **RAYOSOL**

For scouring, wetting out and dyeing Rayon and cotton knit wear

#### **CROWN SOFTENER**

Ideal for finishing and back filling.

#### **CREAM SOFTENER JC**

For softening, sizing and finishing

#### **TALLOINE**

Sulphonated tallow—25%, 50%

#### **SOLUBLE WAX**

For lustre in finishing cotton goods

#### **CAMPBELLINE WARP SIZE**

Unexcelled for slashing

#### **JELOSOL**

Soluble textile gum

#### **PERMEKO**

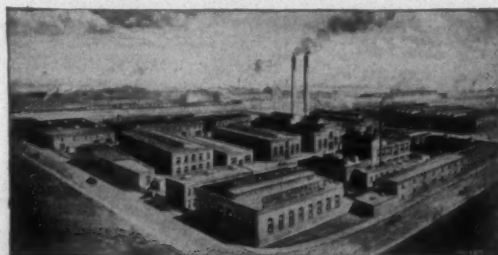
Wetting-out agent, penetrant and dye-bath regulator

## **John Campbell & Co.**

75 Hudson Street

New York, N. Y.

*American  
Dyestuff  
Manufacturers*



Works: Newark, N. J.

*Established  
1876*

## PERFORMANCE

*shows the value of this New  
Warp-Saving Finish*



*"We ran 500 sets night and day for two years . . . an exceptionally good record," reports William Hill of NASHUA MFG. CO.*

### PERFORMANCE

**MILL:** Nashua Mills, Nashua Mfg. Co.

**LOOMS:** Automatic, Wide, 82" and 92"

**HARNESS:** Emmons "Chafeless Cord"; 4 Harness Weave; 500 sets

**TIME:** Two Years, Continuous Night and Day Operation

### SUMMARY

"We ran 500 sets night and day for two full years," reports Mr. Hill, "and did not lose a single set—an exceptionally good record. There were practically no repairs. During this period, the smoothness of this harness and its freedom from chafing of the warp has been an important factor in continuous production."

Examination of these 500 sets show them to be in splendid condition, with no appreciable wear of the eyes, and no perceptible wear of the finish. This record is indicative of the performance of "Chafeless Cord" throughout Nashua Mills.

The special warp-saving finish notably reduces warp breaks wherever "Chafeless Cord" is used. This harness eliminates complaints of weavers by reducing loom stops from clean breaks as much as 54% in some mills. Fewer warp breaks mean continuous loom operation and greater production. "Chafeless Cord" is a notable development in cotton harness.

To produce this finish, a special process is required. Five coats of highly refined varnish are applied. A precision machine applies each coat to an absolutely even depth. Old hand methods cannot equal the accuracy of this machine. It gives a smoothness impossible by less modern methods.

This smoothness is baked in. Each coat is baked eight (8) hours at 175 degrees temperature. In this way, "Chafeless Cord" is made to a new standard of smoothness. Chafing of the warp is practically eliminated. The ends are kept soft and full; loom stoppage is signally diminished.

Furthermore, wearing of the eyes is delayed indefinitely. A humidity-proof overdressing with the special warp-saving finish protects the harness and yarn at one and the same time. Performance at Nashua Mills is indicative of the value of "Chafeless Cord."

It is the new super-smooth harness, known wherever you see it by the tri-color marking—red and green on yellow.

**SUPER-SMOOTH**  
*Chafeless Cord*

FEWER WARP BREAKS . . . . GREATER PRODUCTION PER LOOM

**EMMONS**  
**Loom Harness Co.**

183 May Street

Lawrence, Mass.

## Night Work Question Before Institute

The proposal to eliminate night work for women and minors at the annual meeting of the Cotton-Textile Institute to be held in the Hotel Biltmore, Wednesday, October 15.

Cotton mills throughout the nation, including those not affiliated with the Institute, have been invited to attend the meeting in view of the significance of this recommendation to the entire industry. Ballots have been sent to all cotton manufacturers to give them an opportunity to indicate their attitude on this question in advance of the meeting and also to furnish a cross-section of opinion throughout the industry.

Elimination of night work for women and minors has already been recommended by the Institute's Board of Directors. The resolution, unanimously adopted by these representative mill executives, recommends to cotton textile mills that they eliminate, as soon as possible and not later than March 1, 1931, the night employment of women and of minors under 18 years of age.

Accomplishments of the Institute during the past year will be reviewed in the annual address of George A. Sloan, president. Twenty-five directors will be elected for terms of three years, succeeding board members whose terms expire at the end of the current Institute year. One other director is to be elected for one year to fill a vacancy on the board.

Those nominated by the executive committee for the three-year term include:

W. D. Anderson, Macon, Ga.; S. M. Beattie, Piedmont, S. C.; J. W. Bowen, Fall River, Mass.; G. E. Buxton, Providence, R. I.; Chas. B. Chase, Fall River, Mass.; Donald Comer, Birmingham, Ala.; Philip Dana, Westbrook, Maine; F. A. Flather, Boston, Mass.; J. M. Gamewell, Lexington, N. C.; C. L. Gilliland, Philadelphia, Pa.; R. H. I. Goddard, Providence, R. I.; L. O. Hammett, Honea Path, S. C.; Weston Howland, Boston, Mass.; H. B. Jennings, Lumberton, N. C.; H. A. Ligon, Jr., Spartanburg, S. C.; Leavelle McCampbell, New York City; J. A. McGregor, Utica, N. Y.; V. M. Montgomery, Spartanburg, S. C.; W. B. Munson, Denison, Texas; Frank I. Neild, New Bedford, Mass.; W. S. Pepperell, Providence, R. I.; Benj. D. Reigel, New York City; H. Nelson Slater, New York City; Aug. W. Smith, Greenville, S. C.; G. T. Thompson, Adams, Mass.

George M. Wright of Great Falls, S. C., has been nominated to serve one year beginning October 15, 1930.

## Mill Owner Urges Power Rate Revision For South Carolina

Columbia, S. C.—Colonel Leroy Springs, of Lancaster, textile mill owner, testified before the South Carolina Railroad Commission Friday that his understanding was that existing rates of electric power made Georgia and Alabama more attractive to new industries than South Carolina.

Called as a witness for the South Carolina Electric Consumers' Association in its fight to secure uniform rates for textile plants, he painted a gloomy picture of the textile situation.

The Duke Power Company has been ordered to show cause why uniform rates should not go into effect. At present, large consumers receive more favorable rates than small consumers.

Colonel Springs described the condition as "very bad" and added, "not only with the small mills but with the large ones as well. Large and small, they need all the help they can get."



▼ *To tell you what you want to know about rayon yarns and their more profitable use. This is No. 5 of the series. Reprints of preceding numbers sent free on request.*

## ADVENTURES IN RAYONLAND

### OR THROUGH THE MAGNIFYING GLASS!

EVEN the jeweler's skill enters into the making of Crown Brand Rayon Yarns.

▼ To control the accuracy of each individual filament, we make our own spinnerettes, or thimble-like caps, through which the viscous mixture is forced to form a spray of fairy fine threads. ▼

These caps are an alloy of platinum and gold. The invisibly fine openings at the end are bored by miniature drills in the small, skilled hands of women artisans. The work is done entirely under magnifying glass, as the boring must be accurate to 1/10,000 of an inch. Each opening is also smoothed and polished on both sides in two additional operations. ▼

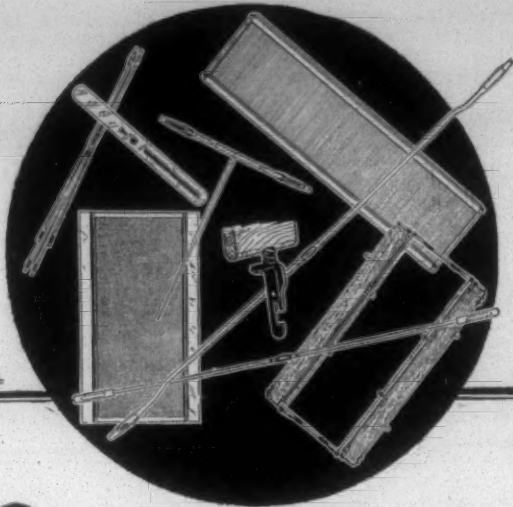
All these details of care and skill result in a smoother, finer, yet stronger and more elastic product and help to explain why Crown Brand Rayon Yarn is the world leader. More than thirty different varieties are available and we'll be glad to help you choose the one best suited to your type of weaving or knitting.

**THE VISCOSE COMPANY**

171 Madison Avenue

New York City





## Quality Production Speaks for Itself ~

When attending the Southern Textile Exhibition just notice the great percentage of looms, exhibited by the Loom and Drop Motion Manufacturers, running with FLAT STEEL HEDDLE LOOM HARNESS.

This clearly demonstrates the great superiority of Steel Heddle equipment, as none of the exhibitors could afford to run the chance of producing imperfect fabrics.

At the Boston Textile Exhibition over 75% of the looms were also equipped (unsolicited by us) with Flat Steel Heddle Loom Equipment.

Remember there is a Flat Steel Heddle and Heddle Frame for every fabric, backed up with the valuable service of our practical loom harness men, which assures perfect results and eliminates the need of experimenting.

*Shall we have one of our men call?*

Main Office and Plant  
2100 W. Allegheny Ave.  
Philadelphia, Pa.

Southern Plant  
621 E. McBee Ave.,  
Greenville, S. C.

New England Office  
44 Franklin St.,  
Providence, R. I.

Foreign Offices  
Huddersfield, Eng.  
Shanghai, China

**Steel  
Heddle  
H Mfg Co.**

*See Our  
interesting and  
instructive exhibit  
at Booth No. 123  
SOUTHERN TEXTILE  
EXPOSITION  
GREENVILLE, S.C.  
Oct. 20-25*

## Cloth Statistics Show Better Condition

Statistical reports of production, sales and shipments of standard cotton cloths during the month of September, 1930, were made public by The Association of Cotton Textile Merchants of New York. The figures cover a period of four weeks.

Production during September amounted to 182,385,000 yards, or at the rate of 45,596,000 yards per week. This was 32.1 per cent less than September, 1929, when the rate was 67,153,000 yards per week.

Sales during September were 291,980,000 yards, or 160.1 per cent of production. Shipments during the month were 232,975,000 yards, equivalent to 127.7 per cent of production.

Stocks on hand at the end of the month amounted to 392,406,000 yards, representing a decrease of 11.4 per cent during the month. Unfilled orders on September 30th were 285,427,000 yards, representing an increase of 26.1 per cent during the month.

As a result of the continued low production, stocks were reduced more than 50,000,000 yards during September. This reduction is the greatest—both in yardage and percentage—recorded in any month since these statistics have been compiled.

These statistics on the manufacture and sale of standard cotton cloths are compiled from data supplied by 23 groups of manufacturers and selling agents reporting through The Association of Cotton Textile Merchants of New York and the Cotton-Textile Institute, Inc. The groups cover upwards of 300 classifications or constructions of standard cotton cloths and represent a large part of the production of these fabrics in the United States.

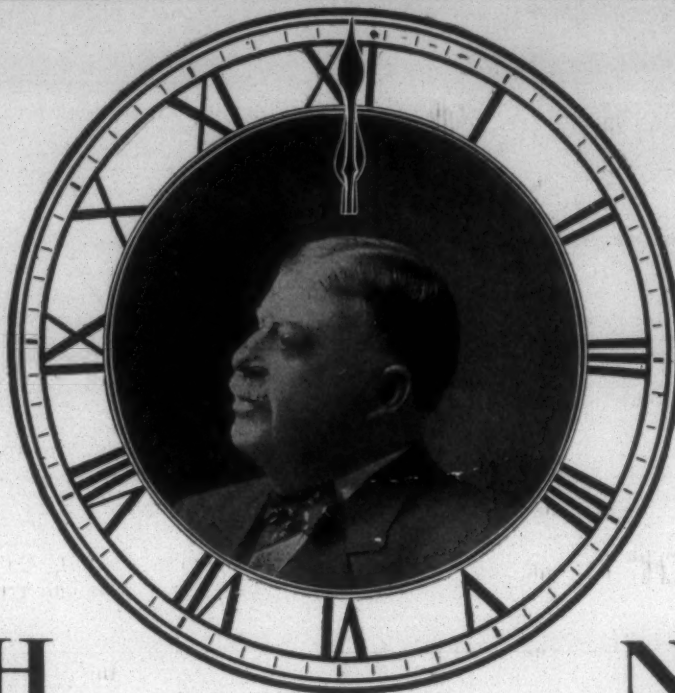
## Europe Offers Outlet For U. S. Knitted Goods

Washington, D. C.—One of the brighter aspects of a generally unfavorable European textile situation is the prospects for increased American business in textile specialties, according to E. T. Pickard, chief of the Commerce Department's textile division, who recently returned from a tour of Europe made in the interests of the textile industry.

England, Holland, Germany, Italy, France Switzerland and Belgium, visited by Pickard, showed indications of a growing demand for certain types of American-made haberdashery and women's apparel. The better types of hosiery, corsetry, underwear and knit goods seem to be extraordinarily well received, according to Mr. Pickard. American bathing suits were attractively displayed in the windows of innumerable European shops and the garments have been established for a sufficient length of time to give the buying public a wholesome appreciation of workmanship, fit and quality, Mr. Pickard stated. Prices for such American articles are often considerably above those asked for the local product, but clever display and advertising have induced the customer to pay the extra price, much to his ultimate satisfaction, Mr. Pickard was informed by European dealers.

Further expansion of this European market will, however, depend upon the maintenance of progressive trade practices and policies by American manufacturers. Mr. Pickard pointed out in stating that he gained the decided impression that "expansion and real success came more or less in direct proportion from the amount of personal contact between the American house and its European agents or clients."





# HIGH NOON

OF  
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## MECHANICAL CLOTHS

Is Typified in the Product of

**THE JOSEPH NOONE'S SONS COMPANY**

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The Oldest Manufacturers in this Country of

**Roller, Clearer and Washer Cloths, and Slasher and Sizing Flannels for  
Cotton Mills, Printers' Blankets, Piano Cloths and Laundry Blankets**

Every Description of Woolens and Linen Cloths for Machinery

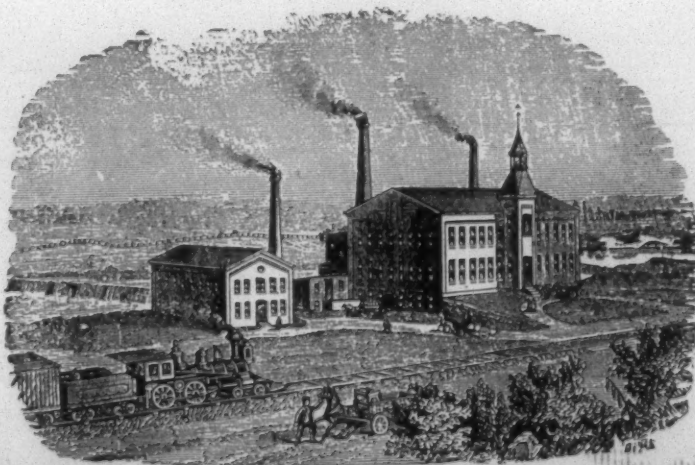
*Ask and Insist that Noone's Cloth Be Used*

**WILLIAM R. NOONE & CO., Selling Agents, BOSTON**

ARNOLD T. MALONE, Manager



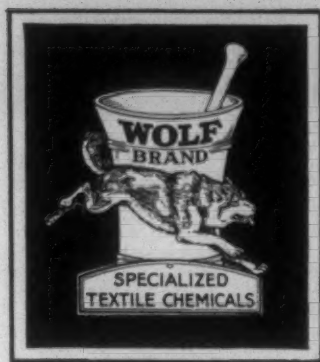
Mills  
PETERBOROUGH,  
N. H.



ESTABLISHED 1831



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## FOR COTTON PROCESSING

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MANUFACTURING CHEMISTS AND IMPORTERS  
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## Night Work in Cotton Mills

The directors of the Cotton-Textile Institute have unanimously recommended that night work for women and minors in cotton mills be discontinued between the hours of 9 p. m. and 6 a. m. The resolution is significant taken in connection with the fact that a large number of Southern mills have already abolished night work or are preparing to do so. To the New England States, with legislative prohibitions against the employment of women and children at night, the recommendation of the Institute has less application. If its advice is followed, however, by any considerable percentage of Southern mills, the result will be systematic curtailment of operating activity, since the elimination of night work for women and children is for practical purposes equivalent to closing the mills during the night hours.

Meanwhile, there are certain problems that the Southern mill owner finds it necessary to handle with care. A correspondent of The Journal of Commerce recently called attention to some of the readjustments necessitated by discontinuance of night work, which conscientious mill managements are already engaged in effecting. Translated into terms of employment, prohibition of night work means that large numbers of operatives will find themselves deprived of an opportunity to earn. That, of course, is a misfortune shared with the unemployed of many other industries, but in this case, a question is raised as to whether superfluous night workers in mills shall be dismissed or whether they shall be put on part-time day work and the day workers be likewise reduced to a part-time schedule. The latter practice seems to be preferred at least as a temporary expedient to tide the employees over the immediate emergency created by the elimination of night work.

It is, indeed, a hard situation for Southern mill owners who feel, as most of them do, a responsibility for the welfare of workers living often in isolated villages and unable to find employment elsewhere, except at the cost of breaking up their homes. Whether to institute short time schedules or to dismiss employees is a problem with which employers in all industries have to struggle in times like the present, but it is an especially hard question that is presented to the independent mill communities of the South, where the connection between mills and workers is less easily made and broken than in communities supplied with a more mobile labor force.—New York Journal of Commerce.

## Develop Cotton Cartridge Cloth

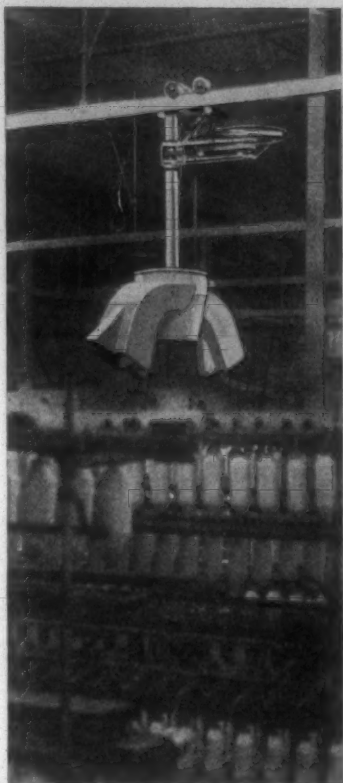
Textile engineers in co-operation with ordnance officers of the U. S. Army, have perfected a new type of cotton cartridge-bag cloth, according to an announcement made by C. K. Everett of the New Section of the Cotton-Textile Institute. The first contract for a quantity of this new fabric has just been awarded on the basis of specifications developed in a series of tests made at Picatinny Arsenal in Dover, N. J.

The special research just concluded was undertaken more than two years ago and since that time a number of experimental fabrics have been developed and made available to army officers for tests at the Picatinny Arsenal. From these tests specifications were developed and a satisfactory cotton fabric was finally perfected.

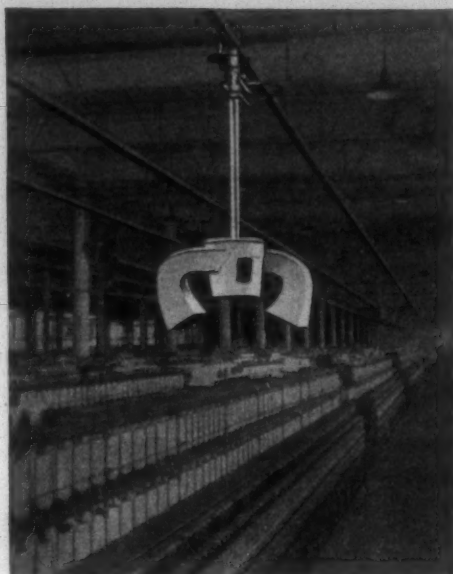
On account of the extraordinary service conditions under which cartridge bags are handled and used particular attention had to be given to develop a cloth that would leave no residue in the gun after the charge had been exploded.



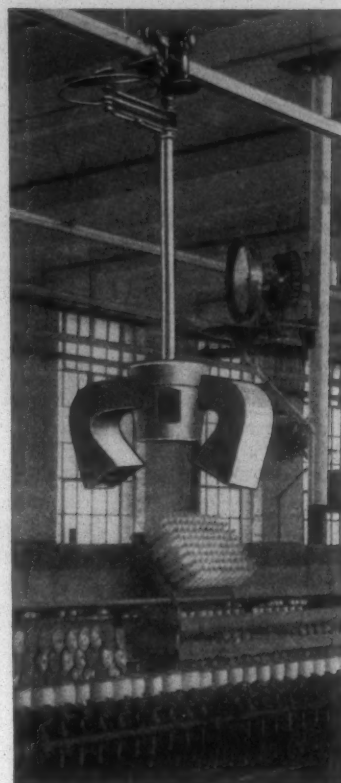
# Bunchless Automatic Cleaner System



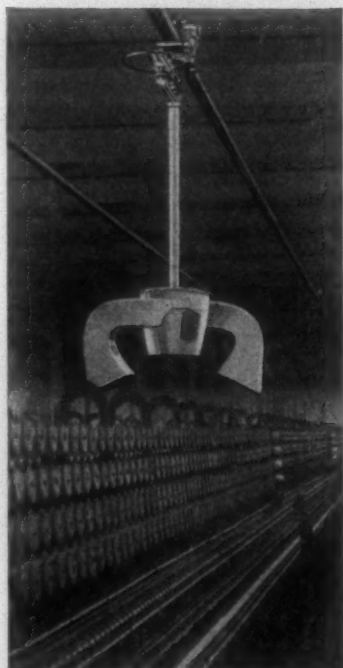
Roving



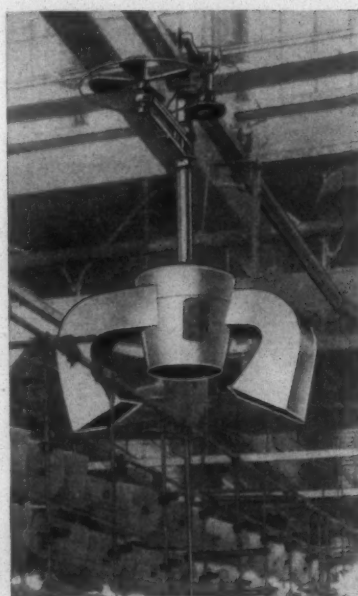
Spinning



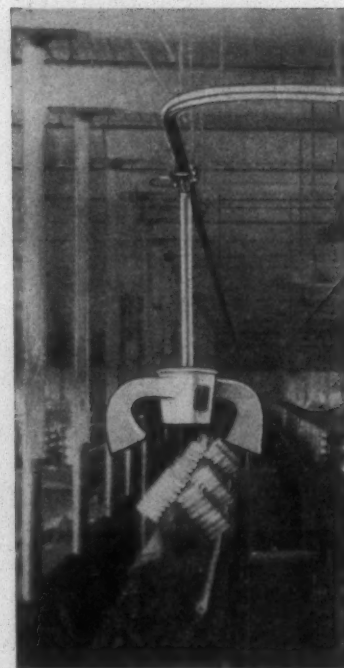
Spooling



Twisting



Warper Creel



Winding

For details—(cost; specimen layouts; list of users; examples of labor extensions; higher speeds; less production stops; savings in labor, waste and production cost) address

## FIRTH-SMITH COMPANY

161 Devonshire St.

Boston, Mass.

## Believe Cotton A Sound Investment

Washington, D. C.—Cotton, both raw and fabricated, constitutes a sound investment at present price levels which have reached rock bottom, in the opinion of Carl Williams, member of the Federal Farm Board for cotton, as expressed in a statement here.

Existing prices should stimulate replacements of cotton goods as well as purchases of the raw staple and there are indications with respect to unmanufactured cotton that European mills are more foresighted than those of this country, Mr. Williams said.

There is no lack of confidence in cotton peculiar to that commodity but cotton shares in the same situation that surrounds other commodities at this time, Mr. Williams said. He sees nothing in the cotton market to indicate a bear movement but believes existing conditions are due simply to stagnation.

### THINKS BOTTOM REACHED

He feels confident that the bottom of price has been reached and that there now should be a resumption of buying and of replenishing inventories, of goods, Mr. Williams said. There is some investment buying of raw cotton but not as much as there should be and not as much as there will be, the Farm Board member asserted. The South is not selling its cotton as freely as usual, Mr. Williams added, as evidenced by the "tremendous deliveries of cotton to the co-operatives, which have been greater than ever before in history and far greater than they or we expected."

### EXPORT TRADE BETTER

Foreigners are buying American cotton more rapidly than last year, Mr. Williams pointed out. Exports to

October 1 this season are 210,000 bales greater than in the same period last year.

Mr. Williams reiterated that the 1,250,000 bales of old crop cotton held by the stabilization corporation with funds advanced by the Farm Board will not be marketed at least until after the close of the present cotton year, next July 31, unless prices should advance materially and there should be demand for some of this cotton which would not adversely affect prices for the 1930 crop.

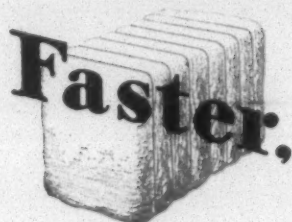
Mr. Williams has agreed with several points in the cotton acreage reduction plan drafted by C. T. Revere, of Munds & Winslow.

The feature of the plan which has been submitted to and approved by numerous cotton men, is the provision that the farmer who cuts his acreage should substitute, for his prospective crop, the purchase of cotton contracts. As pointed out by Mr. Revere the average cost of producing cotton over a period of years is in the neighborhood of 15 cents a pound. The buyer of contracts at 10.50, 11 cents or even 12 cents has an advantage over the average producer of from \$15 to \$22 a bale. Thus the producer who purchases contracts will have a profit before the producer who only plants cotton has covered the cost of production.

## Rare Carpet Is Sold

Warsaw, Poland.—A seventeenth century silk carpet from an Indian palace has been purchased by Mrs. John H. Willys, wife of the American ambassador to Poland. Formerly it was in the Hall of Mirrors in the palace at Amber, near Jaipur, Rajputana. It is 25x16 feet. The pattern is small birds and foliage. It sold in India last year for \$60,000. Mrs. Willys bought it in Paris.

# Cloth Can Be Baled ~



Because workmen do not have to be cautious and slow with Stanley "Eversafe" Ties and Strapping. Their Round Safety Ends, Round Safety Edges and Rust Resisting Sterilized Japan Finish cannot cut, scratch or cause infections.

## With Stanley "Eversafe" Bale Ties

The Stanley Works, Box Strapping Division, New Britain, Conn.

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The Stanley Works Sales Co.  
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Carolinas Representative:  
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P. O. Box 424, Charlotte, N. C.



The Stanley "Eversafe"  
Round End Cutter  
(Patented)

This ingenious device cuts two Round Safety Ends at one clip. A wonderful improvement over ordinary strapping shears.

The Stanley Works, Box Strapping Division  
New Britain, Conn.

Gentlemen: I would like to know more about your new "Eversafe" Strapping System. Send your booklet giving full description.



# OPINIONS LIKE THESE MADE

*retailers spend hundreds of thousands of  
their own advertising dollars to make*

# AMERICA COTTON-CONSCIOUS

S. W. REYBURN, *President, Lord & Taylor, and President, Associated Dry Goods Corp. of N. Y.*, says:

"The work of the Cotton-Textile Institute in the last two years we believe has been very effective and has been most helpful in bringing the present revival of fashion interest in cotton.

"Here in a relatively brief period we have seen the creative talent of one of our great industries organized and stimulated to new accomplishments in response to consumer demand for new style values.

"Such an effort succeeds because its merchandising appeal rests so squarely on merit. Where this is true there are above all distinct advantages for the individual consumer with tangible gains for the manufacturer and the merchant."

JOHN HAHN, *Executive Director, Garment Retailers of America*, says:

"The sustained progress that cottons have enjoyed in High Fashion Circles during the past two years promises to continue for 1931. Having received the stamp of society's approval in America after the Paris Couture introduced and sponsored cottons for all types of apparel from beach togs to evening frocks, is it not a foregone conclusion that Cotton's Fashion story will be repeated again?"

PHILIP LE BOUTILLIER, *President, National Retail Dry Goods Association, and President, Best & Co., New York City*, says:

"It is highly significant, I think, that many retail merchants have been so alert to the popular demand for style value that they have put their own faith into action by substantial investments in advertising and promotion featuring cotton.

"All that has been done to enhance the style value of cottons in recent years stands out as an achievement of the highest order and the evidence we now have of further progress indicates that the vogue for cotton will not only continue but increase in importance.

"The Cotton-Textile Institute deserves high praise for its constructive service to the industry which it represents and to merchants and consumers to whom cotton means so much."

RETAILERS know that cotton was the big style news of the year, and that pushing cotton meant business. An important factor in bringing home to the retailer the merchandising possibilities of cotton has been the carefully planned and merchandised campaign sponsored by a group of leading interests in the cotton industry through the Cotton-Textile Institute.

## THESE ARE THE FAR-SIGHTED FIRMS WHOSE MONEY MADE THIS CAMPAIGN POSSIBLE

Aberfoyle Mfg. Co., Chester, Pa.  
Acme Finishing Co., Pawtucket, R. I.  
Alabama Mills Co., Birmingham, Ala.,  
Alicsville, Clanton, Dadeville, Fayette,  
Greenville, Haleyville, Jasper, Russell-  
ville, Wetumpka, Winfield.  
Aldrich Bros. Co., Moosup, Conn.  
American Printing Co., Fall River, Mass.  
Anderson, Clayton Company, Houston,  
Texas  
Aragon-Baldwin Cotton Mills, Inc.,  
Chester, S. C., Rock Hill, S. C., Whit-  
mire, S. C.  
Arcade Cotton Mills, Rock Hill, S. C.  
Arcadia Mills, Spartanburg, S. C.  
Aspinook Company, Jewett City, Conn.  
Avondale Mills, Birmingham, Ala., Alex-  
ander City, Ala., Pell City, Ala.,  
Stevenson, Ala., Sycamore, Ala., Syl-  
cauga, Ala.  
Joshua L. Bailey & Co., New York City  
Baltic Mills, Baltic, Conn.  
Jos. Bancroft & Sons, Wilmington, Del.,  
Reading, Pa.  
Bellman Brook Bleachery Co., Fairview,  
N. J.  
Berkshire Fine Spinning Associates, Inc.,  
Adams, Mass., Fall River, Mass., North  
Adams, Mass., Williamstown, Mass.,  
Albion, R. I., Providence, R. I., War-  
ren, R. I., North Pownal, Vt., Brattle-  
boro, Vt.  
Bliss, Fabyan & Co., New York City  
Boort Mills, Lowell, Mass.  
Borden Mills, Inc., Kingsport, Tenn.  
Bradford Dyeing Association, Bradford,  
R. I.  
Brandon Corp., Greenville, S. C., Wood-  
ruff, S. C., Traveller's Rest, S. C.  
Bristol Mfg. Corp., New Bedford, Mass.

Brookside Mills, Knoxville, Tenn.  
Butler Mill, New Bedford, Mass.  
Cabot Mfg. Co., Brunswick, Maine  
Calhoun Mills, Calhoun Falls, S. C.  
Callaway Mills, LaGrange, Ga.  
Catlin-Farish Co., Inc., New York City  
Chadwick-Hoskins Company, Charlotte,  
N. C., Pineville, N. C.  
Chesnee Mills, Cherokee, S. C.  
Chiquola Mfg. Co., Honea Path, S. C.  
Clifton Mfg. Co., Clifton, S. C.  
Consolidated Selling Company, New York  
City  
D. E. Converse Company, Glendale, S. C.  
Cramerton Mills, Inc., Cramerton, N. C.  
Cranston Print Works Co., Cranston, R. I.  
Dallas Mfg. Co., Huntsville, Ala.  
Davis Mills, Fall River, Mass.  
Deering, Milliken & Company, New  
York City  
Drayton Mills, Spartanburg, S. C.  
Duncan Mills, Greenville, S. C.  
Easley Cotton Mills, Liberty, S. C.  
Erwin Cotton Mills Co., West Durham,  
N. C., Coolemece, N. C., Erwin, N. C.  
Galey & Lord, New York City  
Gluck Mills, Anderson, S. C.  
Gossett Mills, Anderson, S. C., Pendle-  
ton, S. C., Williamston, S. C.  
Grosvenor-Dale Corp., North Grosvenor  
Dale, Conn.  
Harmony Mills, Cohoes, N. Y.  
Hartwell Mills, Hartwell, Ga., Toccoa, Ga.  
Hunter Mfg. & Commission Co., New  
York City  
Indian Head Mills of Ala., Cordova, Ala.  
Inman Mills, Inman, S. C.  
Iselin-Jefferson Co., New York City  
Ivey Mill Co., Hickory, N. C.

Judson Mills, Greenville, S. C.  
Jno. P. King Mfg. Co., Augusta, Ga.  
B. B. & R. Knight Corp., Providence,  
R. I., Arctic, R. I., Natick, R. I.,  
Pontiac, R. I., West Warwick, R. I.  
Laurens Cotton Mills, Laurens, S. C.  
Lawrence & Co., New York City  
Lawton Mills Corp., Plainfield, Conn.  
Lonsdale Company, Lonsdale, R. I., Ash-  
ton, R. I., Berkley, R. I., Hope, R. I.,  
Blackstone, Mass., Seneca, S. C.  
Manville Jenckes Co., Pawtucket, R. I.,  
Gastonia, N. C., High Shoals, N. C.,  
Central Falls, R. I., Georgiaville, R. I.,  
Woonsocket, R. I.  
Maverick Mills, East Boston, Mass.  
Middlesex Bleach & Dye Works, Somer-  
ville, Mass.  
Mills Mill, Greenville, S. C., Woodruff, S. C.  
Monarch Mills, Union, S. C., Lockhart,  
S. C.  
Mt. Vernon-Woodberry Mills, Baltimore,  
Md., Tallahassee, Ala., Columbia, S. C.  
Nashawena Mills, New Bedford, Mass.  
Nashua Mfg. Co., Nashua, N. H., Lowell,  
Mass.  
Neild Mfg. Corp., New Bedford, Mass.  
Oconee Mills Co., Westminster, S. C.  
Pacific Mills, Lawrence, Mass., Dover,  
N. H., Columbia, S. C., Lyman, S. C.  
Passaic Print Works, Passaic, N. J.  
Pelzer Mfg. Co., Pelzer, S. C.  
Piedmont Mfg. Co., Piedmont, S. C.  
Potomac Mills Corp., New Bedford, Mass.  
Queen City Cotton Co., Burlington, Vt.  
Reeves Bros., Inc., New York City  
Republic Cotton Mills, Great Falls, S. C.  
Riverdale Mills, Enoree, S. C.  
Robertson Bleachery & Dye Works, New

Milford, Conn.  
Saxon Mills, Spartanburg, S. C.  
Scranton Lace Company, Scranton, Pa.,  
Clarks Summit, Pa.  
Spartan Mills, Spartanburg, S. C.  
Spencer Corp., Spindale, N. C., Ruther-  
fordson, N. C.  
Steele's Mills, Rockingham, N. C.  
J. P. Stevens & Co., New York City  
Sudanette Co., New Bedford, Mass.  
Suncook Mills, Suncook, N. H.  
Totokett Mfg. Co., Norwiche, Conn.  
Tripp, Kory, Genne, Inc., New York City  
Turner Halsey Co., New York City  
Union-Buffalo Mills, Union, S. C., Buf-  
falo, S. C., Fairmont, S. C.  
United Merchants & Mfrs., Boston, Mass.,  
Jewett City, Conn., Fall River, Mass.,  
New Bedford, Mass., Newton, Mass.,  
Bath, S. C., Clearwater, S. C., Langley,  
S. C.  
United States Finishing Co., New York  
City, Norwich, Conn., Sterling, Conn.,  
Cedarstown, Ga., Pawtucket, R. I.,  
Providence, R. I.  
Victor Monaghan Company, Greenville  
S. C., Arlington, S. C., Greer, S. C.,  
Walhalla, S. C.  
Victory Mfg. Co., Fayetteville, N. C.  
Waldrick Bleachery, Delawanna, N. J.  
Wallace Mfg. Co., Jonesville, S. C.  
Wamsutta Mills, New Bedford, Mass.  
Warren Mfg. Co., Inc., Warren, R. I.  
Warwick Mills, West Warwick, R. I.  
Watts Mills, Laurens, S. C.  
Ridley Watts & Co., New York City  
Wellington Sears & Co., New York City  
Wilson & Bradbury, New York City  
Woodward Baldwin & Co., New York City

The Cotton-Textile Institute, Inc., 320 Broadway, New York City

# Larger Crop of Cotton Forecast

Washington, D. C.—An indicated increase of 146,000 bales in the cotton crop of this year over that indicated a month ago was announced by the Department of Agriculture.

Production on the basis of conditions existing October 1 was placed at 14,486,000 bales. This is 342,000 bales below last year's production.

While there was a decline in the indicated production in Texas, Mississippi and Tennessee, this was offset by increased indications in other States, particularly in Georgia, North Carolina and Alabama.

Picking and ginning was reported as unusually advanced in Texas and Oklahoma but backward in Alabama and Mississippi. In other States ginnings are above average for this time of the season.

The crop reporting board in commenting on the report said:

"The United States cotton crop is now estimated at 14,486,000 bales. This is 146,000 bales, or 1 per cent above the forecast of a month ago, and approximately 342,000 bales below production last year. The indicated average yield for the United States is 154.7 pounds per acre, which is 0.4 pounds below the average yield for the ten year period 1919-1928.

"Since September 1 the crop prospects have declined 46,000 bales in Texas, 25,000 in Mississippi and 17,000 in Tennessee.

"These losses are more than compensated by increases in other States, where the crop is turning out better than was indicated by reports a month ago. Since September 1 the prospective crop in Georgia has increased by 80,000 bales. North Carolina shows an increase of 51,000 bales, Alabama 42,000, Arkansas 20,000 and Louisiana 16,000 over the forecast a month ago.

"Picking and ginning are unusually advanced in Texas and Oklahoma. In Alabama and Mississippi, however the per cent of the crop ginned to October 1 is less than usual. The per cent of the crop ginned in other sections is about average for this date."

The condition of the crop on October 1 was 53.5 per cent of a normal, indicating a yield of 154.7 pounds per acre, compared with 53.2 per cent and 153.2 pounds on September 1, 55.0 per cent and 155.0 pounds on October 1 last year and 53.1 per cent and 151.1 pounds, the 10-year average.

The condition on October 1 and indicated production by States follow:

State—	Condition	Indicated Production
Virginia .....	53	34,000
North Carolina .....	63	870,000
South Carolina .....	65	1,010,000
Georgia .....	67	1,580,000
Florida .....	85	44,000
Missouri .....	45	150,000
Tennessee .....	45	420,000
Alabama .....	60	1,400,000
Mississippi .....	53	1,660,000
Louisiana .....	48	665,000
Texas .....	54	4,275,000
Oklahoma .....	40	925,000
Arkansas .....	34	960,000
New Mexico .....	85	100,000
Arizona .....	88	165,000
California .....	92	224,000
All other States .....	52	4,000
Lower California .....	90	57,000

(Continued on Page 76)

## Visitors To The Southern Textile Exposition

You are cordially invited to visit the display of

### Platt's Metallic Card Clothing Co.

In which is shown their patented carding equipment.  
This truly marvelous advance in carding equipment is sure to interest you.

**Metallic Card Clothing—Steel Lickerin Wire—  
Steel Feed-roll Wire**

All wires are made of finest French Steel, tempered in oil.

**Automatic Stop-motion for Cards**

### Platt's Metallic Card Clothing Company

(Offices and Shops) Lexington, N. C.



ORIGINAL and GENUINE  
*"The Leather with the Hair on"***Bondaron**  
REG. U. S. PAT. OFF.

## The Emblem of Superior Textile Leathers!



Lug Strap



Harness Strap

See the interesting BONDARON Exhibit in Booths A-131-132, Southern Textile Exposition, Greenville, S. C., October 20-25, where will be shown:

BONDURAL Picker Leathers  
BONDARON Loop Pickers  
BONDARON Check Straps  
BONDARON Harness Straps  
BONDARON Lug Straps  
BONDARON Bumper Straps  
BONDARON Round Leather Belt  
BONDARON Hold-up Straps, etc.,

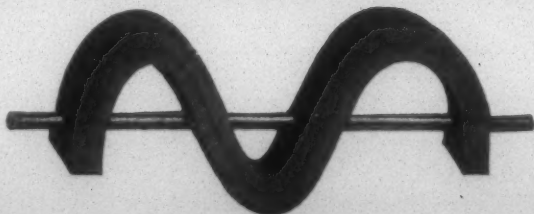
and the complete line of Bond Manufactured Leather Belting



Check Strap



Loop Picker



Bumper Strap

Day after day, BONDARON Textile Leathers are proving their economical worth through durability tests being conducted in textile mills in all parts of the country.

These tests are not of short duration—they extend over a period of years and prove that BONDARON Textile Leathers will outlive other textile leather, in many cases—five to six times.

Such statements are not idle boasts. They are provable. BONDARON Leathers welcome comparison under actual working conditions. One trial order will provide convincing proof of their merits.

CHARLES

**Bond**

COMPANY

617-623 Arch Street,

Philadelphia, Pa.

*Leather Curriers and Manufacturers of Textile  
Leathers and Belting*

## Thoron Discusses Textile Situation

**E**LIMINATION of night work for men as well as for women and children and the adoption by Southern mills of 55 hours as the maximum work week were advocated as means to control production by Ward Thoron, new president of the National Association of Cotton Manufacturers at the dinner at Poland Springs, Me., which closed the two-day convention of the Association.

"If the Southern mills," he declared, "will continue their present curtailment for another year, or absolutely limit themselves to a single shift of 55 hours, they will restore to themselves prosperity. As I am a Southern manufacturer myself, I thought it proper to express my own opinion thus frankly.

"Prices should be such as will insure the maximum distribution of a commodity, and at the same time return a reasonable profit under average manufacturing conditions. Prices must be stabilized; unlimited competition must be abandoned, and some form of co-operation among producers established.

"Unfortunately, the Sherman Act, the Clayton Act and other anti-trust laws interfere with the open exercise of our natural and moral rights to protect ourselves from the false rumors spread by our customers, and to join in a co-operative movement to stabilize prices. That the interpretation and administration of these laws is not only having a disastrous effect on some industries, but also on the possibilities of steady employment in them, has for sometime been suspected by government officials. Several years since, a secretary of labor questioned their reasonableness and suggested that if they were unreasonable they should be changed. The matter was again referred to in connection with the situation in the coal mining industry by President Hoover, in his Boston address at the convention of the American Federation of Labor, and this is what he said:

"All these conditions have culminated in a demoralization of the industry and a depth of human misery in some sections which is wholly out of place in our American system. The situation has been under investigation of our government departments, by Congress, together with commissions and committees of one sort or another, for the past 10 years. The facts are known. One key to solution seems to me to lie in reduction of this destructive competition. It certainly is not the purpose of our competitive system that it should produce a competi-

tion which destroys stability in an industry and reduces to poverty all those within it. Its purpose is rather to maintain that degree of competition which induces progress and protects the consumer. If our regulatory laws be at fault they should be revised."

"Facing the facts is necessary but I do not think we should be depressed by them. We should get together to see what we can do to improve the situation. Business will improve, and we in the East have already made a great advance in putting our house in order.

"Meanwhile we must have our laws changed so as to enable us to co-operate more freely. We should feel pride in our products and not degrade their qualities merely to satisfy the greed of some middlemen. We should get the confidence of our employees by fair treatment, and they in turn, in their own interest should appreciate that their wage fund must inevitably disappear if it will not produce a commodity which can be sold at a price that will reimburse its costs and something more.

"Bankers must be broadminded enough to increase their support of our industry in adverse times but they should discriminate between those who are engaged in building up the industry and those who are bent upon its destruction, through ruinous price and overproduction policies.

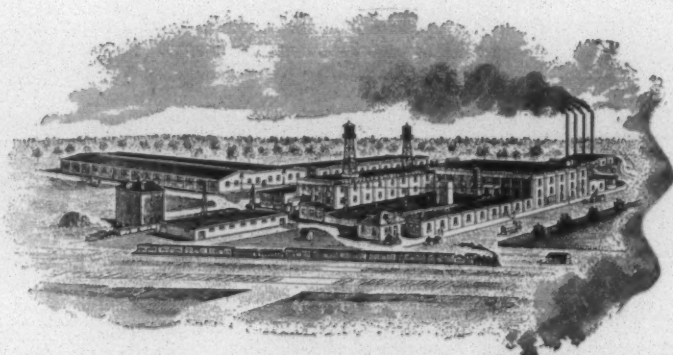
"The retail store has collapsed as an efficient channel of distribution. The principal reasons for this breakdown are:

1st. The stress which they lay on style goods, to the exclusive of staples. Style goods are as dangerous to play with for the distributor as they are for the manufacturer; particularly if the distributor is inclined to try to stimulate the jaded appetite of the consumer by frequent changes in style. The temptation is to carry insufficient varieties and insufficient quantities, and to become fearful and impatient of the duration of the fashion, with constant dumping of unsold merchandise as bargains.

2nd. They have been indoctrinated by the banks and the academic theories of business schools, that their success depends on rapid turnovers of the capital and no inventories. This also is destructive to carrying adequate stocks, either in quality or variety, and of either styled or staple goods.

(Continued on Page 78)

## VICTOR MILL STARCH—The Weaver's Friend



It boils thin, penetrates the warps and carries the weight into cloth. It means good running work, satisfied help and one hundred per cent production.

We are in a position now to offer prompt shipments.

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C. B. ILLER, Greenville, S. C. F. M. WALLACE, Columbus, Ga. L. J. CASTILE, Charlotte, N. C.



# > > > NEW MONARCH TWISTER

A REMARKABLE Atwood development, the new Monarch Twister offers you many exclusive Atwood advantages never before applied to any twisters, plus numerous other advanced engineering features.

## *Maximum Number of Spindles per Square Foot of Floor Space*

The design of the new Monarch Twister incorporates the results of 65 years of Atwood experience in building the twisters that have thrown the bulk of the world's silk. It is designed and built in Atwood shops to Atwood's standards.



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SOUTHERN TEXTILE SHOW  
SPACE A-141

or write for complete data on its many improved features.

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THE ATWOOD MACHINE COMPANY  
STONINGTON, CONNECTICUT

General Sales Office: 267 FIFTH AVENUE, NEW YORK

Branches: Wilkes-Barre, Pa.

Charlotte, N. C.

Los Angeles, Calif.

## Larger Crop of Cotton Forecast

(Continued from Page 72)

### GINNINGS INCREASE

Cotton of the growth of 1930, ginned prior to October 1 was announced by the Census Bureau to have aggregated 6,304,608 running bales, including 194,160 round bales, counted as half bales, and 3,883 bales of American Egyptian but exclusive of linters.

To October 1 last year 5,903,265 bales, including 169,337 round bales and 3,363 bales of American-Egyptian, had been ginned, while two years ago 4,961,360 bales, including 182,240 round bales and 6,155 bales of American-Egyptian, had been ginned.

Ginnings by States to October 1 were Alabama 582,561; Arizona 23,500; Arkansas 264,814; California 15,473; Florida 39,886; Georgia 841,969; Louisiana 399,558; Mississippi 532,096; Missouri 52,902; New Mexico 16,950; North Carolina 198,454; Oklahoma 276,966; South Carolina 377,688; Tennessee 87,492; Texas 2,584,806; Virginia 7,896; and all other States 1,597.

## Imported Enka Yarns Now Sold Directly By American Enka

C. M. Carr, vice-president, announced that, effective October 1, imported Enka yarns formerly sold through John F. Street & Co., Providence, and Walker Yarn Company, Philadelphia, will hereafter be sold directly by the American Enka Corporation under the direction and supervision of J. A. van Laer, Cannon Mills, general sales agent for American Enka yarn, will continue to represent the sale of imported Enka yarns in the South,

and Ludwig Littauer & Co., New York, will continue to represent Enka as formerly.

This policy has been brought about for the purpose of improving the service of Enka yarns to the trade. The imported yarns include certain types which are not manufactured by the American Enka Corporation, and under the new arrangement the yarn buyer can concentrate all of his purchases with the one source of supply.

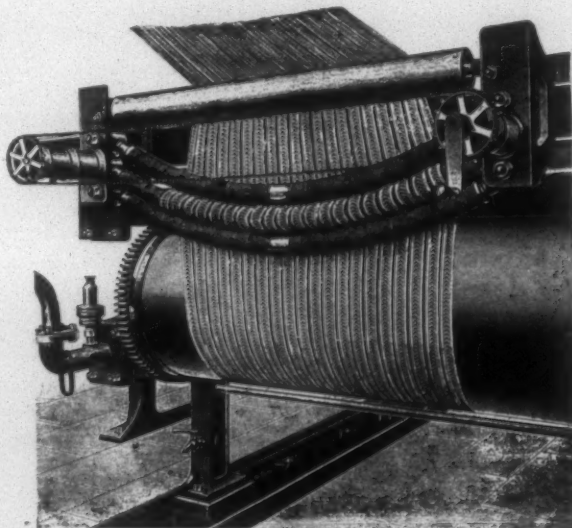
In addition to the regular bobbin spun yarn which bears the mark Amplum, the imported yarns include the pot spun yarn called Super Arnum, the multifilament yarn called Summum, the dull luster yarn under the name of Discrella, and the dull luster multifilament yarn called Super Discrella.

## New Dyestuff Series

Society of Chemical Industry in Basle has added to their Chlorantine Fast Dyestuffs series three products, namely, Chlorantine Fast Grey GLL, Chlorantine Fast 2BLL, Chlorantine Fast 4B11, which possess good fastness to light as well as the property of good level dyeing. To further add to these properties is the good fastness to water, alkali and ironing. The product 4BLL and 2BLL have somewhat better fastness to light than the GLL.

The new products are suitable for all kinds of cotton dyeing, especially for loose cotton, for fast to light canvas, for yarn and for piece dyeing, in the preparation of fast to light articles, also for artificial silk. The silk in half silk is reserved in an alkali bath; acetate silk is not dyed in mixed weaves by Chlorantine Fast Grey GLL, 2BLL, 4BLL. The new products are dischargeable to a pure white; they are dyed as usual in alkaline or a neutral salt bath.

## REGULATING CLOTH EXPANDERS



Patented  
3-Bar Expander Attached to Dry Cans

One, Two, Three and Five Bars

### REGULATING CLOTH EXPANDERS

for Water Mangles, Starch Mangles, Dry Cans, Calenders, Dyeing and Mercerizing Machines. Also RUBBER COVERED EXPANDERS, oilless, easy running, for all Cotton Piece Goods and particularly for Silk, Rayon, and Fine Cottons. Also Scutchers, Straight and Angular Guides.

## THOMAS LEYLAND MACHINERY COMPANY

F. T. Walsh, Pres., Treas.

Office and Works

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A. Isherwood, Mech. Supt.

Our representatives will welcome you at Booth A-140 at the Southern Textile Exposition



# The New Link Suspended American Tool Centrifugal Extractor



Sizes 40"—48"—60" Diameter

## Attached Motor Driven Type

In line with the policy of our company to ever keep abreast with the demands of the trade we have spent much time and effort in the development of an Extractor which we are now offering with the assurance that there is no more rugged or efficient machine of this type manufactured.

Simplicity of Construction and easy operation have been the controlling motives in the design of this machine using Timken Bearings, Alemite Lubrication and Gilmer V-Belts.

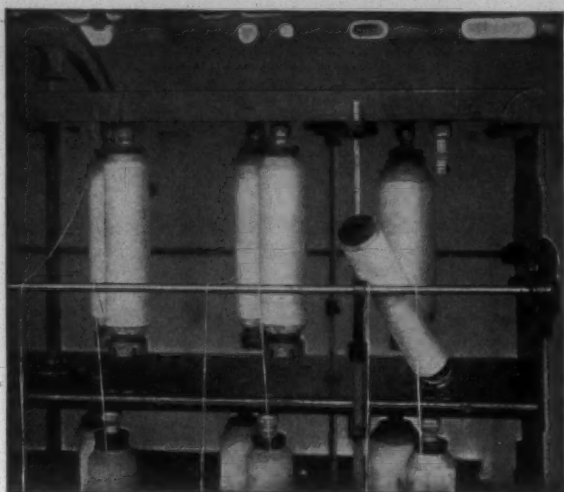
Frictionally operated speed guard interlocks furnished so that cover or guard can not be raised when machine is in motion.

*Write for our catalogue.*

## AMERICAN TOOL & MACHINE CO.

Established 1843

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### Include Eclipse Bobbin Holders in your modernization program!

"The Textile industry is stepping out."

More and more textile mills are adopting modern equipment—modern methods. Eclipse Bobbin Holders fit right into such plans. They replace "out of date" wooden skewers. They improve the quality of the yarn.

With Eclipse Bobbin Holders on your creel boards, lint and fly can't accumulate — cleaning is simpler. Yarn or roving is not strained.

These Ball Bearing Holders are rigidly fixed to the top of the creel board—bottoms are free and clear. They're quickly installed — easily bolted through skewer holes in the frame. Give them a trial—they *belong* in all modernization programs.



ECLIPSE TEXTILE DEVICES, INC.  
Elmira, N. Y.

# ECLIPSE

## BOBBIN HOLDER

### Thoron Discusses Textile Situation

(Continued from Page 74)

3rd. They have succeeded in putting out of business the jobber, who did carry stocks and varieties, by insisting on dealing directly with the manufacturer, for the imaginary purpose of eliminating waste by dispensing with the use of middlemen, not realizing that it probably costs the manufacturer more to sell directly to the retail distributor than it does to sell through a jobber.

4th. They have made the foregoing an excuse for not only insisting that the sale to them should be at the same price as to the jobber, though they do not render the jobber's service, but that it should even be below the jobber's price, on the theory that they are large purchasers. Even in this respect they have fallen down by indulging in hand-to-mouth buying, to save their inventories and eliminate their style risks.

5th. They have thought in terms of price and not in terms of quality. They have encouraged the manufacture of poorer and poorer goods, and gradually made it impossible for the manufacturers to bring their better and best qualities to the attention of the public.

6th. They have demoralized prices, particularly the large distributors.

7th. They have encouraged the sale of imported goods, frequently of inferior quality, and failed to stress the merits of domestic manufactures of good quality.

### Textile Trade Improves In South Africa Market

Washington.—A slight improvement in demand for some lines of textiles is reported in the South African market, according to a radiogram, dated October 3, from Assistant Trade Commissioner Edwin B. Lawson, Johannesburg, to the Bureau of Foreign and Domestic Commerce.

Stocks of printed drills are reported low with a decided increase in demand caused by recent lower prices and two months' delay in seasonal business. Denim and napped suiting stocks also are low with demand stimulated by present prices, but business in rayon alpacas is inactive. There are fair stocks of cotton coverts on hand, and demand at present is limited to manufacturers' needs. Business in colored yarn drills is slack, but stocks are low. Arrivals of duck have been heavy and the trade anticipates some price cutting, especially in Japanese lines.

### Barber Manufacturing Co.

Charlotte, N. C.

## QUALITY SPINNING and TWISTER TAPE



# Raygomm N. C. A.

(Patent Applied For)

## THE *troubleproof* SIZE FOR ACETATE WARPS

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RAYGOMM NCA is easily and quickly prepared. No chemicals of any kind are added. RAYGOMM NCA forms the efficient protective coating required for good weaving. It holds the filaments together without sacrificing flexibility or smoothness. Best of all, RAYGOMM NCA does its work at about one-third the cost of average prepared sizes.

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Another new Stein Hall development. Especially formulated for rayon crepes and other difficult weaves. RAYGOMM CREPE insures the desired softness and pliability without the addition of a softener. Easily washed out in plain water.

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## SUPERINTENDENTS AND OVERSEERS

We wish to obtain a complete list of the superintendents and overseers of every cotton mill in the South. Please fill in the enclosed blank and send it to us.

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 Name of Mill \_\_\_\_\_  
 Town \_\_\_\_\_  
 \_\_\_\_\_ Spinning Spindles \_\_\_\_\_ Looms  
 \_\_\_\_\_ Superintendent \_\_\_\_\_  
 \_\_\_\_\_ Carder \_\_\_\_\_  
 \_\_\_\_\_ Spinner \_\_\_\_\_  
 \_\_\_\_\_ Weaver \_\_\_\_\_  
 \_\_\_\_\_ Cloth Room \_\_\_\_\_  
 \_\_\_\_\_ Dyer \_\_\_\_\_  
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 Recent changes \_\_\_\_\_  
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400 MILL

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BLUE RIVER CRYSTAL

THESE starches are manufactured by carefully controlled and standardized methods. Purity and uniformity are guaranteed. Economy and efficiency are proved by the constantly increasing number of exacting textile manufacturers who are getting satisfactory results by using our starches especially selected for their conditions.

Recommendations are based upon intelligent investigation of each individual problem.

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## The Sealed Sleeve Bearing for Industrial Motors

By J. L. BROWN

Mechanical Engineer, Westinghouse  
Electric and Manufacturing Company

AMONG the great variety of machinery being manufactured in the present day, electrical machinery is peculiar and distinct. That its special features should introduce a number of special problems occasions no surprise, and it should be clear, therefore, that certain parts which these machines have in common with other kinds of machinery may require special care in design and manufacture in order to function satisfactorily in the special set of conditions found in machinery.

The distinctive feature of electrical machinery is the presence of insulating materials as an essential element of the design, and in rotating electrical machinery, such as electric motors, bearing design becomes an outstanding problem, largely through the presence and nature of these materials. Were all insulating materials as unaffected by heat and lubricating oil as the metals they insulate, motor bearings would cease to present many of the problems which have made successful motor bearing design so difficult.

Unfortunately, many of the most efficient insulating materials may be damaged both by excessive heat and

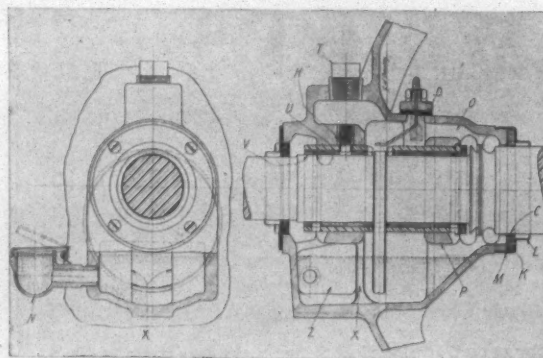


Fig. 1. Cross-section of Sealed-Sleeve Bearing

by lubricating oil or grease. Artificial ventilation is commonly employed to prevent the accumulation of excessive heat; but it is just as essential to prevent escape of oil from the bearings onto the windings, and this must be accomplished in spite of the fact that the ventilating air flow tends to draw oil vapors from the bearing housing and deposit them on the insulated surfaces over which it passes.

That motor bearing design presents an especially difficult problem has not always been appreciated, with the result that the designs often used, though perhaps quite adequate for other classes of machinery, have caused motor users a great deal of trouble and expense.

In discussing bearings, the bearing itself and the housing which should support and protect it are commonly considered as a unit. For a clear understanding of the problems involved, however, it is necessary to distinguish carefully. The special problems peculiar to motor bearings are associated almost altogether with the housing design. In the majority of industrial motor applications the type of bearing used will be immaterial as long as the

(Continued on Page 84)



# Editors on *WHEELS* —are making your business paper!

He's out—but he's not at the country club. His chair is empty this afternoon—but it won't be tonight. He'll be back from the front with important news for you and your business.

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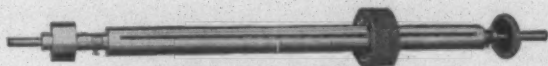
No wonder your editor is not at his desk. He is riding the rails, flying the airlines, touring the roads—a reporter at the front, an editor on the way home. And he is doing it all for you. His reports, digested for you, written for you, published for you—are yours in the pages of your business paper.



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## Cotton Cloth for Roads

In a recent issue of the Literary Digest, H. S. Johnson discusses "Cotton Cloth as a Road Material," as follows:

The highway is first subjected to the processing ordinarily employed in bituminous surface treatment of earth-type roads. The surface of the road is scarified and brought to the desired cross-section and grade, and is then opened to traffic to allow it to rebond, the surface being kept smooth by the use of scrapers or drags. After the surface is thoroughly rebonded, it is again closed to traffic and swept clean of loose material.

A prime coat of light tar is then applied.

After 24 hours, a cotton fabric is spread longitudinally along the surface of the road while the tar is still sticky enough to hold the fabric in place. Asphaltic oil is then applied at not less than 275 degrees Fahrenheit to the fabric and surface. The surface is then immediately covered with coarse sand and fine gravel, or finely crushed limestone or granite. As soon as this covering has been applied, the road is ready for traffic.

All dust, dirt, loose and foreign material must be removed for the full width to be treated, by sweeping with a revolving broom or other approved mechanical sweeper, supplemented by hand brooms. Dust or other loose material in depressions or other places not reached by mechanical sweeper must be swept out with hand brooms.

When the experimental sections of the State highway in South Carolina thus treated were inspected after the first year, it was found that the shoulders of the highway were in excellent condition, and showed very little wear.

One of the principal advantages of this new method of treatment is the low cost of the installation and maintenance. This is a particularly important factor in States having extensive networks of dirt country roads, which for various reasons have not yet been improved.

In addition to economy, advantages are claimed for this method, as follows:

Increased supporting strength of surfacing material, by preventing rainwater from soaking in.

Reduced failure of impervious surface treatment, by strengthening the treatment's resistance to shear and holding broken pieces in place.

Tendency to delay displacement of small pieces of surface on the edges of a road.

Delaying the forming of corrugations, by restraining flow or displacement of materials.



**It costs more not to  
have them**



It does cost something in interest to keep a reserve supply of travelers on hand. But it will cost you much more, in an emergency, to be without them. Stock up with Victors. You'll be glad you did. If you do get in a "jam," don't hesitate,—phone or wire, and we'll show you some quick service.

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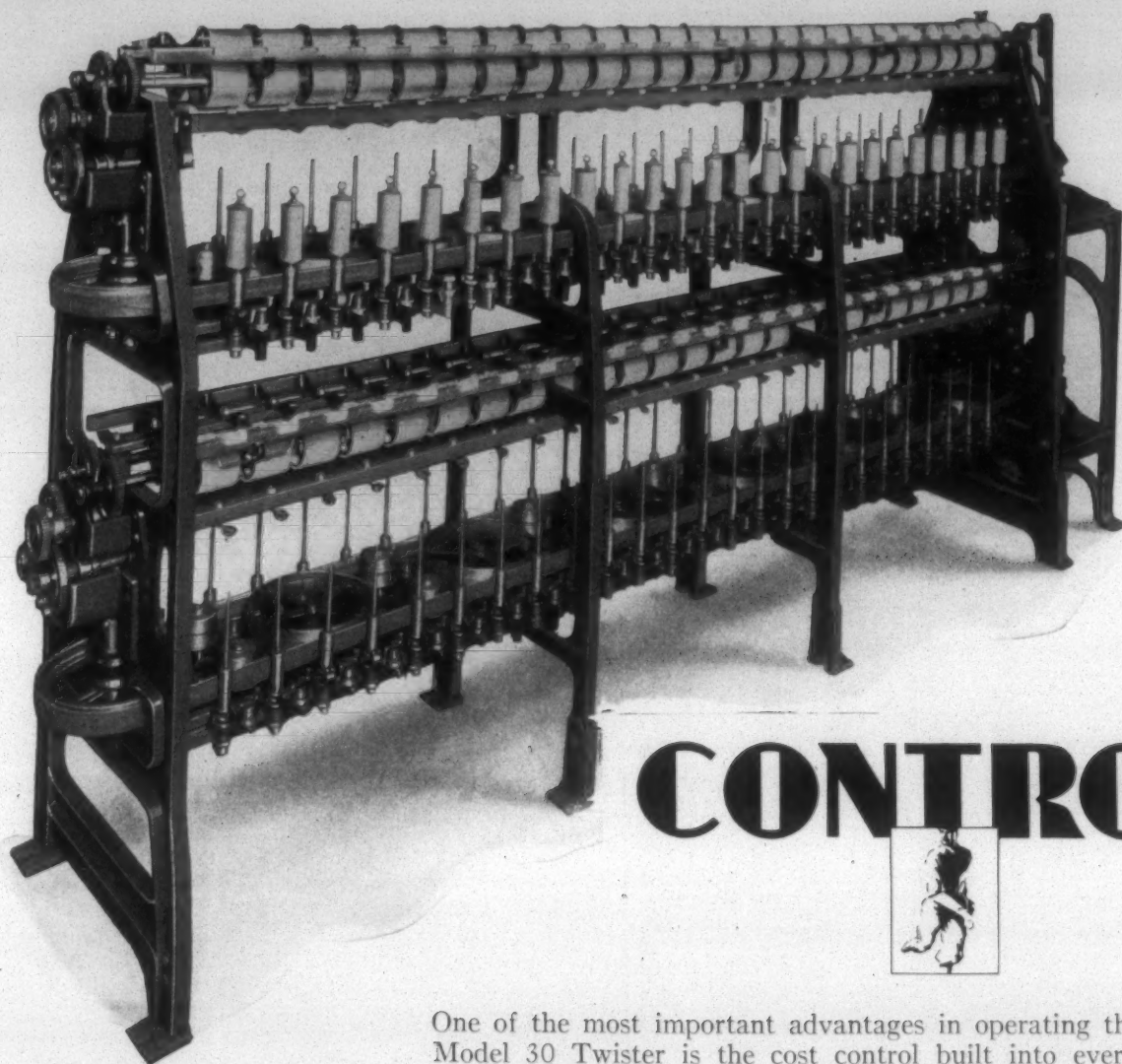
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*Featuring:*

- New long-wearing, cool-running spindles.
- Thread guides individually adjustable in every direction.
- Individual spindle adjustment providing uniform spindle speeds.
- Ball bearing on vertical back shaft . . . seal packed . . . no oil spatter.
- Twist gears accessible for easy change.
- Belt made endless before application to machine . . . no sharp turns . . . long belt life.
- Constant relation between take up rolls and spindle speeds.
- Balanced idler pulley mounting with large oil reservoir . . . minimum friction and wear.

LOW POWER  
CONSUMPTION  
STURDY  
CONSTRUCTION  
HIGHER  
SPINDLE SPEED

# CONTROL



One of the most important advantages in operating the Fletcher Model 30 Twister is the cost control built into every piece of Fletcher equipment. Fletcher machines are designed correctly and honestly constructed . . . this new grenadine and crepe twister truly representing the high standard of quality maintained for over eighty years in the building of fine textile machinery.

Ball bearings where needed . . . large diameter idler pulleys revolving at low speed . . . strong, sturdy construction permitting higher spindle speed, and many other advantages of design and operation are featured in this machine. Is it any wonder that Fletcher users are controlling costs through dependable, economical operation? Send for details.

## THE FLETCHER Model 30 TWISTER

### FLETCHER WORKS

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## *Yours for the Asking! this \$1,000,000 Service*

That's what it is—as advertised. Although it has taken us a little more than a century to gradually build it. Our technical service today has cost us close to a million dollars. As makers and distributors of products that play such a vital part in the textile industry, we must know to an absolute certainty just what our products can or cannot do for our clients. This service is particularly adapted to your specific textile needs and is available any time to assist in solving your problems.

### Sizing Compounds

For weighting and finishing all textiles

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## **Arnold, Hoffman & Co., Inc.**

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*Will  
You  
Please  
Consider  
These  
Questions?*

Are you getting excessive shedding?

Are you getting a large percentage of seconds?

Does your cloth feel harsh?

If so, write us, and we can help you.

## **John P. Marston Company**

*Importers*

247 Atlantic Avenue, Boston

## **The Sealed Sleeve Bearing for Industrial Motors**

*(Continued from Page 80)*

housing is correct. It must support the bearing adequately, it must prevent the entry of any foreign matter and the most difficult requirement of all—it must prevent escape of the oil or grease which it contains for bearing lubrication.

A housing, in which effective measures have been taken to prevent oil leakage and exclude dirt, is shown in Figure 1. The rather novel methods of effecting these results have earned for it the name of sealed-sleeve bearing, now widely and favorably known throughout the United States and Canada. Some of its distinctive features are described in the following paragraph.

In addition to providing an adequate support for the bearing, at as P, it embodies features which are effective in accomplishing what has seemed so difficult in the past—the complete exclusion of dirt and the retention of all the oil within the housing. Of special importance in this connection is the washer of soft resilient felt K closely girding the shaft at C and held in place by the pressed steel bearing cap M. This cap has an over-hanging lip portion L with a small running clearance on the shaft at the outer end. These parts have proved highly efficient in excluding dirt and retaining oil. Parts T and D tightly and rigidly close the inspection hole and the slot for inserting the oil ring respectively. Cored channel O balances the air pressure between chambers if the housing. Pressure relief groove U in the bearing prevents squirting of oil under high pressure through the space between bearing bore and shaft as at V. The dowel screw H does not extend through to exterior of the housing so that oil leakage cannot occur at this point. The threaded engagement of overflow gauge N with the housing is sealed by oil-proof cement. This gauge, it will be noted, communicates with the oil reservoir in a quiet oil chamber Z partially separated from the main chamber by partitions X. The partial isolation of this chamber also permits settling of any sediment present, thus preventing it from circulating through the bearing.

These and other features of the design are by no means spectacular, but, working together, they are practical, effective, and individually essential. They provide barriers against leakage through capillarity, leakage through windage suction, and leakage through excessive and careless oiling as well as against entrance of dirt into the housing.

Thus protected, the bearing may, without interference and danger of damage to adjacent parts, perform its important functions with minimum friction loss. In these days when many have fallen into the careless habit of referring to plain bearing as "friction" bearings, it may be surprising, but it is true, that the bearing illustrated will with very little attention eliminate 99 per cent of the possible loss due to metal to metal friction when carrying the rotor of an ordinary industrial motor. Furthermore, it is true that under normal conditions, metal to metal friction is entirely eliminated, that vestige of friction remaining being due solely to the movement of the oil molecules among themselves, and in no wise detrimental to the bearing and journal surfaces. The oil film separates these surfaces. The journal actually floats on the film.

The advantages of this for industrial motors are being proved daily by an increasing number of users. The means by which these advantages are secured are interesting, but the actual performance of the sealed-sleeve bearing is vital to industry.



*THE*  
**DAVID BROWN CO.**

FOUNDED 1883

MANUFACTURERS OF "HIGH GRADE"

**BOBBINS, SPOOLS,  
ROLLS, CONES  
AND SHUTTLES  
OF EVERY DESCRIPTION  
FOR TEXTILE MILLS**

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For nearly 50 YEARS this concern has served Textile Mills throughout the entire country.

To-day it is the LARGEST independently owned and personally managed concern of its kind in the United States.

A FULL LINE of finished products, "FROM CARDS TO LOOMS" is manufactured in one Up-To-Date factory group under able and well trained workmen and supervision. This means EFFICIENCY AND SERVICE.

Long EXPERIENCE and a thorough KNOWLEDGE of Textile requirements DOES COUNT.

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DOMESTIC

EXPORT

MERCHANDISING

JOSHUA L. BAILY & Co.

## COTTON GOODS

New York.—The cotton goods markets were moderately active during the week. The report of the Textile Merchants Association showing figures on production, sales and stocks was regarded as very encouraging and reflects the continued curtailment and better buying. Leading mill men however, point out that the report also shows continuance of curtailment is necessary.

Substantial yardage of one important print cloth construction were reported to have sold during the week and during the past three days. Otherwise coarse yarn gray goods were reported rather slow, although fairly steady in price. The market took the bureau's 14,486,000-ale report quietly, the subsequent movement of cotton prices being conducive to holding of gray prices, particularly in view of the statistical position of cotton textiles and to the continuing curtailments effective in most mills. Sheetings were in only light call, with prices stationary, and other coarse yarn gray cloths were generally quiet.

The market for sheetings was dull. Demands were few and where found represented only light quantities. Merchants noted that prices were stationary, with neither indications of weakness nor opportunities for advancement of prices for the moment.

Fine and fancy cottons were in some demand, spot deliveries in the staple grades moving, while some contracts for all cotton fancies were reported to be going forward. Cotton voiles, lawns, shantung and other goods were sold. Broadcloths continued rather quiet. A few calls for poplins were reported. In the rayons, business on rayon filled crepes was reported during the week, with further business pending. Silk and cotton were reported quiet.

Sales of spot 76x60s 150 denier 60 filament rayon-filled crepes were reported at 18¼c, with 18¼c quoted for some grades contract. Spots of 76x56s 150 denier 40 filament goods were reported to have sold at 16¼c spot and 16c contract for one mill make.

Prices were as follows:

Print cloths, 27-in., 64x60s	4
Print cloths, 28-in., 64x60s	4¼
Gray goods, 38½ in., 64x60s	5
Gray goods, 39-in., 80x80s	6⅞
Brown sheetings, 3-yard	8¾
Brown sheetings, 4-yard, 56x60s	7½
Tickings, 8-ounce	17
Denims	12½
Standard prints	8
Dress ginghams	12½-15

### Constructive Selling Agents

for

Southern Cotton Mills

J. P. STEVENS & CO., Inc.

57 Worth St.

New York City



## YARN MARKET

Philadelphia, Pa.—Although lower cotton prices handicapped yarn trading, business was fairly good under the circumstances. Spinners were rather irregular in their quotations, but in most cases prices were maintained on a rather firm basis. The cotton report had little effect on the market. A good deal of confidence was shown by sellers, due mainly to the recent better sales.

In certain quarters a broader demand has been noted and in others it is said that buying has tapered off a bit. Generally speaking, it is apparent that there is not a little betterment. A fairly good demand for specialties is noted at good prices. Some dealers report increased inquiries for staple numbers and an increase in specifications against old contracts.

Prices are holding at about the levels of a week ago, but in a few cases they are off approximately half a cent from previous quotations. Many spinners hesitate to commit themselves to long contracts offered at current levels and hold off in the expectation of more profitable prices in the future.

Several producers assumed a firmer trading attitude since last week, based on their movement of enough poundage to feel independent of buyers desirous of weakening their price basis. The impression prevails that instances of the kind are on the increase, based on the experience that, as soon as important mills are reasonably sold ahead through the next 30 days, they prefer to hold for higher than previous quotations.

A number found the weaving and insulating sections their principal sources of business. These were represented in the covering movement, contracted though it was to the extent of quantities running to between 25,000 and 50,000 pounds, the greater activity in unit orders running much below the former quantity.

Inquiries received included those soliciting quotations on next year's deliveries. This was at times assumed to reflect the early checking up of values preparatory to getting ready for action either now or later. Users are short of yarns, since there were many orders placed for one to five-bale lots. On two-ply warps 10s 20c was paid for one make and 20s sold at 22½c. Insulators were asking about quantities for nearby and contract deliveries for numbers up to 30s. The thread trade was after small amounts of combed counts.

Southern Single Skeins.		Southern Two-Ply Warps.	
4s to 8s	20½a	8s to 10s	22 a22½
10s	21 a	12s	22½a23
12s	21½a	14s	23 a23½
14s	22 a	16s	23½a24
16s	22½a	20s	24 a
20s	23 a	24s	26½a27
24s	26 a	26s	27½a28
26s	27 a	30s	28½a29
30s	28 a	40s	37 a
Southern Single Warps.		Southern Frame Spun Carded Yarn on Cones.	
8s to 10s	21 a21½	8s	21 a
12s	21½a22	10s	21½a22
14s	22 a22½	12s	22 a22½
16s	22½a23	14s	22½a23
20s	23 a23½	16s	23 a
24s	27½a	18s	23½a24
30s	28½a	20s	24 a24½
Southern Two-Ply Skeins.		22s	24 a24½
8s	21 a	24s	25 a25½
10s	21½a22	26s	26 a26½
12s	22 a22½	30s	28½a29
14s	22½a23	40s	36 a
16s	23 a	30s dbl. carded	33 a33½
20s	23½a	30s tying in	27½a28
24s	26 a	Carpet Yarns.	
26s	27½a	8s and 9s white warp	
30s	28½a	twist	20 a21
40s	36 a	8s tinged tubes	18 a
		8s part waste	17 a18

## CATLIN YARN COMPANY

NEW YORK BOSTON PHILADELPHIA CHICAGO

SOUTHERN OFFICE:

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CHARLOTTE, N. C.

D. H. Mauney, Pres.  
J. S. P. Carpenter, Treas.  
D. A. Rudisill, Sec.

Phil S. Steel, Vice-Pres.  
J. C. Craig,  
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## Mauney-Steel Company

COTTON YARNS

DIRECT FROM SPINNERS TO CONSUMER

237 Chesnut Street

Philadelphia, Pa.

Eastern Office, 336 Grosvenor Bldg., Providence, R. I.  
Southern Office: Cherryville, N. C.

MILLS DESIRING DIRECT REPRESENTATION AND TO HAVE THEIR PRODUCT SOLD UNDER THEIR OWN MILL NAME WILL PLEASE COMMUNICATE.

## McCAMPBELL & COMPANY

320 Broadway, New York

BARBER-COLMAN  
AUTOMATIC SPOOLERS  
HIGH SPEED WARPERS  
WARP TYING MACHINES  
WARP DRAWING MACHINES  
HAND KNOTTERS

BARBER-COLMAN COMPANY

General Offices and Plant

Framingham, Mass.

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## WENTWORTH

Double Duty Travelers

Last Longer, Make Stronger Yarn, Run Clear, Preserve the SPINNING RING. The greatest improvement entering the spinning room since the advent of the HIGH SPEED SPINDLE.

Manufactured only by the

National Ring Traveler Co.

Providence, R. I.

31 W. First Street, Charlotte, N. C.

Reg. U. S. P. O.



## CLASSIFIED ADS.

### For Sale

3—Saco-Lowell Twisters, 4½" ring, 6" gauge, 120 spindles, motor drive.  
 15—No. 8 Universal Tube Winders.  
 20—No. 50 Universal Tube Winders.  
 6—No. 90 Universal Quillres.  
 8—No. 40 Foster Winders.  
 1—No. 55 Foster Doubler.  
 62—Bahnsen Humidifiers.  
 48—Type HDD Parks-Cramer Humidifiers.  
 65—Type A, B, or C Boyce Knotters, new.  
 1—Double Head Terrell Quill Cleaner.  
 1—Single Head Terrell Quill Cleaner.  
 Charlotte Textile Machinery Company  
 Box 483 Charlotte, N. C.

### Cotton Mill Manager Available

Thoroughly practical. Textile College education. Some business experience. Reference present employers. Open for position as manager or superintendent November 15th. Address S. T. E., care Southern Textile Bulletin.

### For Sale

Gaston County dyeing machine. Suitable for beams or packages. Used only 8 months. Latest model—perfect condition. Two kier machines. Address "Bargain," care Southern Textile Bulletin.

### BULLETIN

### CLASSIFIED ADS

are read in practically every textile mill in the Southern States. Make your wants and offerings known through this medium. \$3.00 per inch for each insertion.

Set this style type, figure about 40 words to the inch.

Set this style, about 30 words to inch.

### For Sale At Once

A No. 1 good set of Roller Covering Machinery. Good as new. About 50 per cent will buy if sold at once. Address "Roller," care Bulletin.

**THE RIGHT WAY TO TRAVEL**  
 is by train. The safest. Most comfortable. Most reliable. Costs less. Inquire of Ticket Agents regarding greatly reduced fares for short trips.  
**SOUTHERN RAILWAY SYSTEM**

## Cotton Manufacturers Promote Cotton Styles

High praise for what cotton manufacturers are doing to advance the fashion importance of cotton is expressed by retail merchants in letters received by the Cotton-Textile Institute which were made public recently.

These and other letters refer to the advertising and educational activities of the Institute as a factor contributing to the pronounced success of styled cottons during the last two years as well as the favorable merchandising outlook for this trade in 1931. Among those commenting on what the industry has done in this direction have been Samuel W. Reyburn, president of Lord & Taylor, of New York; Philip LeBoutillier, president of the National Retail Dry Goods Association, and John W. Hahn, executive director of the Garment Retailers of America.

Mr. Reyburn, who is also president of the Associated Dry Goods Corporation which operates a number of retail stores outside of New York, writes:

"The work of the Cotton-Textile Institute in the last two years we believe has been very effective and has been most helpful in bringing the present revival of fashion interest in cotton.

"Here in a relative brief period we have seen the creative talent of one of our great industries organized and stimulated to new accomplishments in response to consumer demand for new style values.

Mr. LeBoutillier, who is president of Best & Co., New York, writes:

"It is highly significant, I think, that many retail merchants have been so alert to the popular demand for style value that they have put their own faith into action by substantial investments in advertising and promotion featuring cotton.

"All that has been done to enhance the style value of cottons in recent years stands out as an achievement of the highest order and the evidence we now have of further progress indicates that the vogue for cotton will not only continue but increase in importance."

"The sustained progress that cottons have enjoyed in high fashion circles during the past two years promises to continue for 1931. Having received the stamp of society's approval in America after the Paris Couture introduced and sponsored cottons for all types of apparel from beach togs to evening frocks, is it not a foregone conclusion that cotton's fashion story will be repeated again?"

# PRINTING?

## RULED FORMS

### GET OUR QUOTATIONS

#### LETTERHEADS

on any quality of paper and envelopes to match

Bill Heads

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Many Mill Forms Carried in Stock

## WASHBURN PRINTING CO.

DAVID CLARK, President

18 West Fourth St.

Phone 3-2972

Charlotte, N. C.



## Government Uses 200 Textile Products

Departments of the Federal Government purchase annually more than 200 different items of cotton textiles, according to a report just compiled by the New Uses Section of the Cotton-Textile Institute. These purchases include a variety of standard cloths, processed fabrics and other types of cotton goods for which competitive bids are announced from time to time.

For some time the Institute has been recording the governmental purchases of cotton textiles as listed in notices published in the U. S. Advertiser.

A summary of these purchases during the year ending August 14, 1930, has just been completed and is now available at the Institute offices for any of the trade who are interested in this matter. It is believed this is the first summary of its kind that has ever been made.

## How A Price Cutter Met His Waterloo

A good story of how chickens come home to roost, and how a price-cutter got what was coming to him, was told in a recent broadcast over Station WEAJ and a hook-up of the National Broadcasting System. The broadcasting program is called "Uncle Abe and David," and purports to tell the adventures of the two characters named in trying to make their way in the world.

The two have embarked in business and are up against the competition of an unscrupulous competitor across the street. This competitor must have been a chain store man, judging from the tactics pursued to drive Uncle Abe and David from business, although this is not stated. However, some of the methods have a chain store flavor.

This competitor had failed to drive them from business by having the street torn up in front of their place of business, so he dressed up his store and started a price-cutting war with the intent of putting a crimp in the patronage of Uncle Abe and David.

About this time a radio salesman called on the two partners. This salesman is representing a bankrupt factory and is selling radios that formerly retailed wholesale at \$75 for \$50 each. He tries to sell David some of the radios, but David sends him across the street to his competitor and he presently returns with the information that he sold him 50 sets for \$50 each.

David thereupon buys one set and the war is on. The chain man puts the radios on sale for \$65. Immediately the two partners price their lone radio at \$50. The chain man comes back with a price of \$50 for his radios. The partners then mark down their radio to \$45 and their competitor displays a price of \$35. Down goes their price to \$30 and the reply of the chain store man is to put a price tag with the figures "\$20" on his radios.

There the price-cutting stops. However, when a customer comes into the store of David and Uncle Abe and wants to buy one of the \$20 radios, the partners tell him they have only the one and send him across the street to their chain competitor. They keep a set of books and whenever the chain store man makes a sale down it goes in the book with the figures \$20 opposite to show the loss.

They also insert an advertisement in the paper calling attention to the cheap radios and every prospective customer is promptly sent across the street to their chain store competitor. Needless to say their competitor gets all the price cutting he wants and Uncle Abe and David sit back and enjoy the contest of wits.—Exchange.

## UNIVERSAL WINDING CO.

Boston

### Textile Winding Machinery

Southern Offices

Charlotte, N. C.  
Frederick Jackson  
I. E. Wynne

Atlanta, Ga.  
Jesse W. Stribling

Factory Office: Providence, R. I.



"Where Quality Counts"

### U. S. Ring Traveler Co.

159 Aborn St., PROVIDENCE, R. I.

ANTONIO SPENCER, Pres. AMOS M. BOWEN, Treas.

WILLIAM P. VAUGHAN

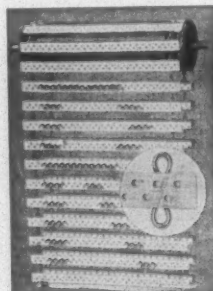
Southern Representative, P. O. Box 792, Greenville, S. C.

"WHERE TRAVELER NEEDS ARE PARAMOUNT."  
Use the UNIVERSAL STANDARD PRODUCTS, which insure you against interruptions and delays in your work.

FOR FINE YARNS—

Use OUR SPECIAL TEMPERED NARROW TRAVELERS.

FOR UNIFORMITY OF TWIST IN PLYS AND CORDS—  
Use the new "BOWEN PATENTED VERTICAL OFF-SET" Patent No. 1,636,992.

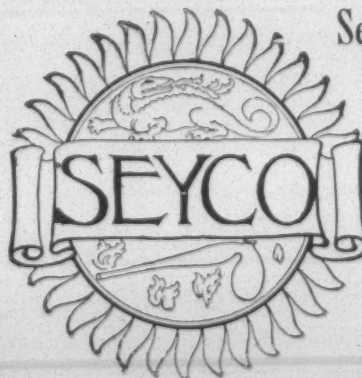


## THE IMPROVED EYE

We Also Manufacture

Dobby Loom Cords  
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Rice Dobby Chain Company  
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Seydel-Woolley  
Company

ATLANTA

Textile  
Chemicals  
For  
Best Weaving

A Concern is  
Known by the  
Customers It  
Keeps

## EMPLOYMENT BUREAU

The fee for joining our employment bureau for three months is \$2.00 which will also cover the cost of carrying a small advertisement for two weeks.

If the applicant is a subscriber to the Southern Textile Bulletin and his subscription is paid up to the date of his joining the employment bureau the above fee is only \$1.00.

During the three months' membership we send the applicant notices of all vacancies in the position which he desires and carry small advertisements for two weeks.

WANT position as superintendent of small mill, or office manager. Young, ambitious, progressive, energetic, and experienced. Now employed but wish to change. No. 5772.

WANT position as superintendent of small mill, or as overseer carding. Age 35. I. C. S. graduate. 12 years on present job. Would only change for better paying position. No. 5773.

WANT position as cotton piece goods dyer. 12 years experience all colors cotton piece goods and raw stock. Graduate chemist. Married. Available on short notice. Good references. No. 5574.

WANT position as master mechanic or electrician, or as assistant in large mill. 19 years on present job. Prefer electrically driven plant, but familiar with steam plants. Go anywhere, but prefer the Carolinas. No. 5775.

WANT position as overseer spinning. Experienced on carded and combed yarns 4s to 80s. 12 years overseer—eight with present company. Best references. No. 5776.

WANT position as carder or spinner or both. Seven years experience as second hand and five as overseer. Best references. No. 5777.

WANT position as overseer spinning or as assistant in large mill. Experienced and strictly sober. Will go anywhere in the South. References. No. 5778.

WANT position as overseer weaving, or as second hand in large mill. 20 years experience on plain and fancy weaves. I. C. S. graduate. No. 5779.

WANT position as superintendent or as carder and spinner. Experienced on plain weaves, carding and spinning. 15 years experience as overseer and superintendent. I. C. S. graduate. References. No. 5780.

WANT position as overseer spinning, spooling, warping, winding. Experienced on carded and combed yarns. 14 years with one company. Efficient, sober, reliable and available. Best references. No. 5781.

WANT position as overseer spinning or as second hand, in large mill. Four years with Beaumont Mills, Spartanburg. Four at Gaffney, over three at Reidsville, N. C. Familiar with yarns up to 48s. Refer to my employers. No. 5782.

WANT position as overseer carding and spinning. Experienced on white and colored work, coarse or fine. Best references as to character and ability. No. 5783.

WANT position as overseer weaving. Ten years on a wide variety of goods. Familiar with wide and narrow looms. References. No. 5784.

WANT position as plain weaver. Age 37. 15 years as overseer. Married. Go anywhere if there are good schools and churches. No. 5785.

WANT position as spinner, spooler, twister, winder. Married. 17 years with present company. Good manager help. Would accept position as second hand in large mill if pay is right. No. 5786.

WANT position as superintendent or as overseer weaving. Experienced on two and four harness goods, plain white and colored, any numbers. No fancies. No. 5787.

WANT position as carder or spinner, or both, or as second hand in large mill. Want a day job. Age 33. Three years on present job as carder and spinner. Married, good references. No. 5788.

WANT position as master mechanic. Age 36. 12 years experience. No. 5789.

WANT position as stenographer, shipping or general office work. Lady of 12 years experience on present textile job. Best references. No. 5790.

WANT position as shipping clerk, cotton grader or warehouse man. Seven years with present employer. References. No. 5791.

WANT position as superintendent. 20 years experience on all classes of white, colored and fancy goods, cotton and rayon. Best references. No. 5792.

WANT position as overseer weaving. 10 years experience on cotton, rayon and silk. I. C. S. diploma. Age 35. Married. On present job two years. No. 5793.

WANT position as overseer weaving and designing. Age 30. Ten years experience on Stafford, Draper and C. & K. looms. References. No. 5794.

WANT position as overseer spinning. Experienced, capable and the very best of references. No. 5795.

WANT position as overseer carding and spinning—or either one. 18 years on present job. Experienced on white and colors. Good references. No. 5796.

WANT position as overseer cloth room. Experienced and capable and dependable. No. 5797.

WANT position as superintendent, or overseer carding in a large mill. No. 5798.

WANT position as overseer, second hand—or would accept position as loom fixer till something better turns up. Experienced overseer and guarantee satisfaction. References from former employers. No. 5799.

WANT position as carder or spinner—or both. 15 years on carded and combed yarns. Three years as superintendent yarn mill. References. No. 5800.

WANT position as overseer carding. Age 28. Ten years experience in carding, card grinding, speeder fixing, etc. Single. Good references. No. 5801.

WANT position as overseer cloth room or supply clerk. 15 years experience as cloth room overseer, and 5 years as supply clerk. Age 43. All past and present employers as reference. No. 5802.

WANT position as bookkeeper, paymaster or cost accountant. 10 years experience in cotton mill office. Age 30. Married, and best references. No. 5803.

WANT position as master mechanic. Experienced mill man. Good draftsman. Present employers as reference. No. 5804.

WANT position as superintendent, or overseer carding and spinning. Carding preferred. Experienced and best references. No. 5805.

WANT position as superintendent. Textile graduate. Over six years experience as superintendent and designer. References the best. No. 5806.

## Pacific Adoyts Viscose Plan

Announcement is made by Pacific Mills of its adoption of the quality-control plan of the Viscose Company as it affects the Pacific line of rayon linings.

"We are glad to say that the specifications under which rayon linings are produced are fully comparable with the minimum specifications established by the Viscose plan," states J. F. Warner, manager of the Pacific Mills rayon lining department, New York City.

"This plan appeals to us because of the practicable manner in which it assures deserved attention by buyers and consumers for rayon products of superior quality. It will be possible now not only for the manufacturer and the cutting-up trade but for the store buyer and the customer as well as to determine whether rayon merchandise that is offered them is such that they can expect satisfaction from its use."

"Holding producers who use rayon yarns to definitely established specifications will do much to focus the minds of garment manufacturers on the fact that there are differing grades of rayon merchandise. Identification of the better grades of rayon products enables selection between good and inferior qualities, with increased public respect for rayon and increased production resulting from greater demand on the part of a better-pleased public."

## Deliveries of U. S. Cotton in Britain Low

Washington.—Deliveries of American cotton to British spinners during September continued at a low level, averaging about 15,000 bales a week, or practically the same as during August, it was reported to the Department of Commerce in a cable from Acting Commercial Attache Donald Renshaw at London. Weekly deliveries during September, 1929, averaged 33,000 bales, the report stated.

Total deliveries from the beginning of the current season to September 27 amounted to only 118,000 bales, according to figures submitted to the department, compared with 225,000 bales for the corresponding period last year.

Stocks of American cotton at British ports at the end of September were 254,000 bales, against 248,000 bales at the end of August. Cotton afloat for British ports at the end of last month totalled 68,000 bales, compared with 27,000 bales at the end of August.



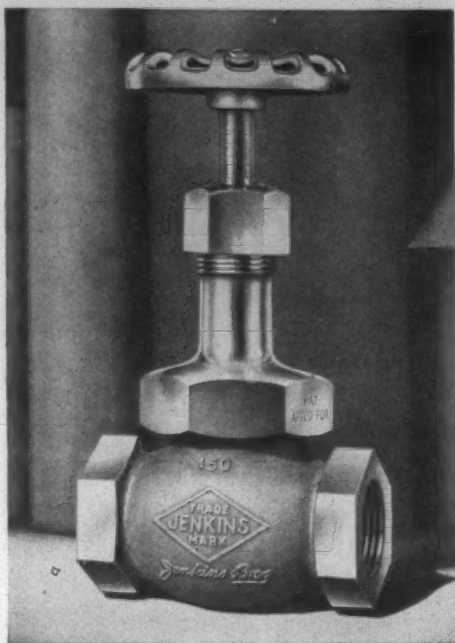


Fig. 106-A Screwed, Jenkins Standard Bronze Globe Valve, with one-piece screw-over bonnet, and slip-on stay-on disc holder. For 150 lbs. steam working pressure, or 250 lbs. oil, water, gas working pressure.

## The Jenkins with the one-piece screw-over bonnet and slip-on stay-on disc holder

This is the Standard Bronze Globe Valve that engineers are talking about. It is the Jenkins with the one-piece screw-over bonnet, and the slip-on stay-on disc holder. The screw-over bonnet contributes great strength. Take the bonnet off and put it back repeatedly. It won't spring or distort . . . because it is made from a single piece of selected Jenkins bronze.

The slip-on stay-on disc holder is another advantage. Give the hand wheel of the valve a turn or so and the bonnet can be removed without danger of the disc holder falling off. Then give the wheel a reverse turn and off drops the disc holder into your hand.

Let us show you this valve. It is obtainable in globe, angle, cross and check patterns, screwed or flanged. Bulletin 141 sent on request.

## THE TEXTILE MILL SUPPLY CO.

*Distributors of Jenkins Valves*

Phones: Dial 5125—5126 Incorporated 1898 Charlotte, N. C.

## KIER STAINS

are entirely eliminated by the use of the

**Wyandotte**  
Quality and Service  
**Textile Alkalies**

in kier boiling.

These special purpose alkalies are so pure, soluble, and free rinsing, that the goods come out in a much better condition for the after processes of bleaching or dyeing.

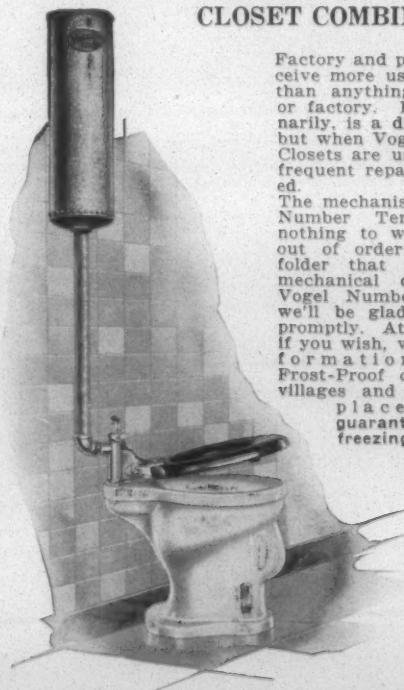


Ask your supply man  
or write

The J. B. Ford Co., Sole Mfrs., Wyandotte, Mich.

Particularly adapted to factories and plants

## VOGEL SEAT-ACTION CLOSET COMBINATION



Factory and plant closets receive more use—and abuse—than anything in the plant or factory. Repairing, ordinarily, is a disagreeable job, but when Vogel Number Ten Closets are used the need of frequent repairs is eliminated.

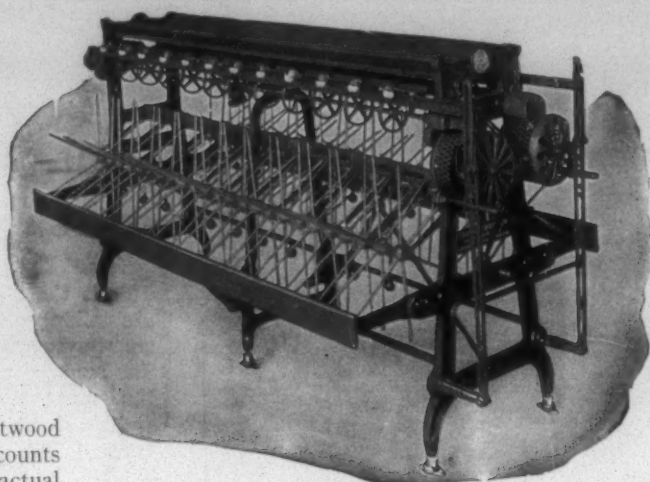
The mechanism of the Vogel Number Ten is simple—nothing to wear out or get out of order. We have a folder that shows all the mechanical details of the Vogel Number Ten, which we'll be glad to send you, promptly. At the same time, if you wish, we will send information about Vogel Frost-Proof closets for mill villages and other exposed places — positively guaranteed against freezing.

**JOSEPH A. VOGEL COMPANY**

Wilmington, Del.

St. Louis, Mo.

See the  
**SIPP-EASTWOOD**  
*Single and Double Deck Winders,  
 and Heavy Warpers*  
 at the  
**Southern Textile Exposition**  
**Booths 128--129**  
**October 20--25, 1930**



Whether or not you are operating Sipp-Eastwood Warpers and Winders for silk, rayon, and fine counts of cotton; you will want to see these machines in actual operation at the Exposition.

The winders will be equipped with the latest oilless spindle and shaft bearings. The warper will be the last word in heavy warper construction. Both types of machines will have many other improvements which it will be distinctly to your advantage to learn about.

The members of the staff of the Carolina Specialty Company, our Southern agents, and representatives of the Sipp-Eastwood Corporation will be in attendance. We illustrate the latest model of our Single Deck Winder, which will be shown at the Southern Textile Exposition.

## **SIPP-EASTWOOD CORPORATION**

**KEEN & SUMMER STS., PATERSON, N. J.**

*Winders, Warpers, Re-beamers, Quillers,  
 Folding Machines, Edge Warpers*

### **Representatives:**

NEW ENGLAND  
 Joseph Barnes, New Bedford, Mass.  
 SOUTH  
 Carolina Specialty Co., Charlotte, N.C.  
 ENGLAND  
 Textile Accessories, Ltd., Manchester.

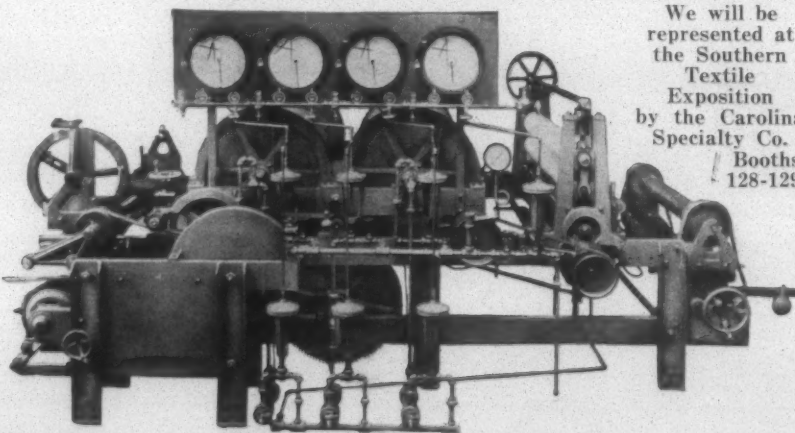


*Great Interest Shown in*

## **JOHNSON**

### **WARP SIZER**

**High Pressure Quetsch  
 and Automatic Temperature  
 Control**



We will be  
 represented at  
 the Southern  
 Textile  
 Exposition  
 by the Carolina  
 Specialty Co.  
 Booths  
 128-129

Frankly, we expected great interest in our two improvements, but never anticipated there would be such a startling response. We attribute it to the fact that, with the new high pressure quetsch and the automatic temperature control, certain types of warps that heretofore have been difficult to size properly can now be turned out with automatic precision, and "without headaches."

**With these two improvements:**

Warps are sized and dried more evenly;  
 Size boils off more easily;  
 Ends cannot bake;  
 There is less breakage in the loom;  
 Even dyeing is assured;  
 Seconds are avoided;  
 The necessity of the operator watching cylinder gauges

and of operating steam valves is precluded;  
 Operator has more time to observe the actual running of the warp.

Why not have us size one of your warps so that you can see the difference?

## **CHARLES B. JOHNSON**

**10 Ramapo Ave.**

**Paterson, N. J.**

### **REPRESENTATIVES**

JOSEPH BARNES  
 New Bedford, Mass.

CAROLINA SPECIALTY CO.  
 Charlotte, N. C.

TEXTILE ACCESSORIES, LIMITED  
 Manchester, England

ELBROOK, INC.  
 Shanghai, China